

Curriculum Vitae

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August 12th, 2022

Pääрни, [*Risto Anton*](#)

Helsinki, Finland

Summary



My name is Risto Anton Pääрни, [M.Sc./B.Sc.](#) a cloud engineer focusing on Client assignments and the Lifetime's project - Lifetime Digital Workspace for Intelligent Industries (dws), an InvestEU approved, EBAN funded project at the moment. As CEO of Lifetime Group my backlog of duties include solution sales, client assignments with consultative sales approach, business development, funding, innovating products and services, brand management, leading the teams and managing client projects, seeing over the operations of the company, HR, marketing, management accounting, and nurturing client and partner relationships.

As an IT Professional, I offer three hats to your team, namely agile Scrum Project Manager, Cloud Solutions Architect, and Cloud Developer.

My Research interests are AI and ML Services on the edge, serverless containerised application development, and its security solutions, especially Post-Quantum, and building applications and managing their containerised CI/CD fleets.

Risto Anton has cloud experience for more than 7 years. He is an experienced PM/ cloud solutions architect/ developer with deep knowledge of customer business cases on apps services on AWS, Microsoft Azure, Google Cloud, IBM Cloud.



Lifetime Group

Education

- Smart Factory Program, M.S, Metropolia, 2022-2024.
- Master of Industrial Management, DI, Technology Entrepreneurship, LUT, 2005-2007.
- Bachelor of Software Engineering, insinööri, 1991.
Metropolia, 1991. ICT Project Manager datanomi, Amiedu, 2017-2018.
- JYET, Leadership Program, BusinessCollege, 2019-2020.
- Matriculation examination, Myyrmäen lukio, 1983-1985.

Certifications

- AWS Architect Associate 2022. AWS Practitioner 2020.
- Foundation Certificate for Security, CISSP, 2022
- Level C Certified Project Management Professional, IPMA (International Project Management Association), 2022-2023.
- Microsoft Azure Academy, Microsoft Academy, Saranen. 2017-2018.
- Microsoft BizSpark 2015-2017. Building workloads with .NET. Azure Microsoft Visual Studio 2015 Professional.

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Risto Anton's Skills

Competence Area (as of 2022 situation)	Experience In years / IQ Level (1-5)	Projects and available solutions
Leading the consultative solution sales	15 / 4	In the year of 2022, Lifetime Group operates on the hybrid cloud environment delivering solutions and has clients and development projects on IBM Cloud, IBM Watson, serverless stack , Amazon Web Services, Microsoft Power Apps, Azure, Google Cloud. SAFe, kokonaisketterä.fi, DevOps, k8s, containers, Docker Professional Dev Environments & Docker extensions/ Workflows, Gosh, JFrog, OpenShift, Snyk, Tanzu
Project, productivity and collaboration management	15 / 4	Currently my primary tasks include solution sales include preparation of solution and defining its scope, preparing business case and case studies, writing project plan, creating and monitoring Key Milestones & approach, delivering budget and later tracking and managing and reporting deviances, creating project charter, reporting status and further building tracking KMs.
Soft Skills, Communication and Teamwork in multicultural workspace	excellent collaboration skills in multicultural environment with language skills English 4 Finnish 5 Swedish 3	As Senior engineer, my soft skills enable me to fit in to the team in the role needed. Relationships matter so I have a friendly and patient personality, result-driven teamwork attitude, flexibility on remote or office and other working conditions issues like working hours, high-level of passion about customer satisfaction, 'kaizen' on software skills and on ensuring secure solutions as a motivator. Risto has ethically strong thinking and fairly decent, international manners. Joy Quotient (JQ) test give my 7 top attributes Considerate, Harmony, Approachable, Trusting, Warm, Energy, Sociable
Business development	15 / 4	1. Which Customers and Regions are we targeting? EU, Finland, Sweden, and Norway. 2. Which Industries do you focus on? Smart Solutions Engineering is an emerging practice to increase business value in many industries including automotive, energy..the trend is ongoing data transformation into Hybrid Cloud environments and improving security and business value. 3. Which Client's Title/Job Designation your sales engagement reaches? We focus on decision makers that see added business value that we have to offer in our solution sales; CEOs/CIOs/POs/Architects/PMs in Scandinavian companies.
Innovation management	15 / 4,0	agile Project DWS PM building company cap table & Fundraising Roadmap solution selling

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		Project CIMS PM Fundraising Roadmap
Process development (eg. Lean)	12 / 4,4	<p>Lifetime Group builds value with continuous integration and delivery to deploy solutions for the hybrid cloud. We are your go-to Copilots on AWS, IBM Cloud, Google Cloud, Microsoft Power Apps and Microsoft Azure, and with GitOps Business Development.</p> <p>We digitally copilot, move and transform your business to the next value level.</p>
<p>Agile organization development</p> <p>SAFe / kokonaisketterä.fi</p> <p>Bisnesteknologiamalli BT-Standardi</p> <p>CMMI,</p> <p>ISO/IEC 27001,</p> <p>Katakri,</p> <p>ISO 21500,</p> <p>ISO 38500,</p> <p>COBIT,</p> <p>IT4IT,</p> <p>ITIL,</p> <p>PMBOK,</p> <p>PRINCE2,</p> <p>SFIA ja TOGAF,</p> <p>GitHub Projects, JIRA</p> <p>Security Operation Center (SOC)</p> <p>zero-trust access management (PAM)</p>	12 / 4,2	<p>An agile organization is a human-centric organization that responds and adapts quickly to changes in the marketplace or environment. The agile organization focuses on satisfying its customer's needs through continuous delivery of increasingly valuable solutions (not only products) to its customers. An agile organization delivers solutions to customer gaps that are identified but not yet solved.</p> <p>Konsultin käsikirja on Lifetime Groupin sisäinen opas konsulteille. Kirjassa käsitellään konsultin arkisia toimia, sekä kaikkea sitä tietoa joka hänen tulee hallita asiakastyössä. Kirjan voitte tilata tästä.</p> <p>ssh.com (PrivX business cases)</p>
Design thinking and Service Design	12 / 3,8	<p>Pretotyping is a set of tools, techniques, and tactics designed to help you validate any idea for a new product quickly, objectively, and accurately. The goal of pretotyping is to help you make sure that you are building The Right It before you build It right.</p> <p>The design thinking process can be articulated in five steps or phases: empathize, define, ideate, prototype and test.</p> <p>IBM Design Thinking</p>
CRUD Applications / APIs design	7 / 3,0	<p>CRUD Based Application development including REST API design and test (CREATE, PUT,GET, DELETE) Automation with Postman APIs Test Automation platform</p>
Moving into Serverless Containerised software Architecture (based on SOA)		<p>Scalable serverless architecture application: <i>Blue Note</i></p> <p>IaaS with VMs</p> <p>PaaS with containers</p> <p>APIs, workflows, queues, and databases</p> <p>FaaS Functions as a Service (parts of SaaS)</p> <p>OpenFaaS Library GitHub (PLONK) kandi</p> <p>Workshop AWS Serverless</p> <p>AWS Lambda for .NET developers</p> <p>amazon.lambda.tools 5.4.4</p> <p>The AWS Cost Explorer for DWS project</p> <p>Visual Studio 2022 Developer Command Prompt 17.3.0 an event-driven, push-based pipeline</p> <p>Microsoft Azure Functions</p> <p>Execute event-driven serverless code functions with an end-to-end development experience.</p> <p>IBM Cloud Functions</p> <p>Google Cloud Functions</p> <p>Serverless Containers</p>

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		<p>Services</p> <p>Analytics Services, Notification Services, Payment Services, Search Service, Observability Cache Services</p>
Messaging Services		<p>Project: Amazon MQ Project: Amazon SQS, Amazon SNS Project: Amazon Kinesis Data Streams, Amazon Kinesis Data Analysis, Amazon Sagemaker, Lambda, DynamoDb.</p> <p>NATS is a simple, secure and performant communications / monitoring system for digital systems, services(request/reply), streams(events/data) and devices, run on Docker with Prometheus Exporters, Fluentd Plugin, OpenTracing/Jaeger support, Dapr.io Component Integration, Spring Boot Starter, NATS/ Kafka Bridge, NATS / MQSeries Bridge, Go-Cloud. Service Latency.</p> <p>Project: Simple Ticketing system. IBM MQ Messaging</p> <p>DIDComm Messaging is a powerful way for people, institutions, and IoT things to interact via machine-readable messages, using features of decentralized identifiers (DIDs) as the basis of security and privacy. It works over any transport: HTTP, Bluetooth, SMTP, raw sockets, and sneakerNet</p>
Continuous Delivery on Customer Project and Software development	Your Go-To Copilots of Innovations and Solutions made of Hybrid Cloud/AI/ML/GitOps/Data-Driven/Automation/ Containers	<p>Azure DevOps for dws4 project work includes</p> <ol style="list-style-type: none"> 1. Managing Azure Boards (Agile methods are Kanban and Scrum). 2. building Deployment automation workflows 3. Testing with 3 operations: 4. Unit tests ``solitary tests`` for code logic. Testing code modules in isolation with mocks and stubs. 5. integration tests ``sociable tests``. Testing code against real AWS Services like AWS EventBridge. 6. end-to-end tests ``production ready tests``, Test the deployed application through its API. <p>Amazon HoneyCode</p> <ol style="list-style-type: none"> 7. work with cloud providers operations/support 8. Maintenance Services work (VMs, Images, Shell Scripting, etc.) 9. Solution: Teamwork Cross-teams.
Enterprise architectures	15	<p>experience in SOA / Microservices architecture, 3 tier architecture, Server based architecture. in the cloud; Monolith modernisation migration to the cloud Serverless (with Containerised Functions / Lambdas) architectures CICD technical stacks Project portfolio management thinking portfolio fe.</p>
Software architectures Patterns Software architecture Design	7	<p>Seven layers of defense.</p> <ol style="list-style-type: none"> 1. Policies, procedures, and employee awareness & soft skills, demographic security. 2. Physical security 3. Perimeter defense 4. Internal network security 5. Host security 6. Application security 7. Data security <p>Technical architecture design for solution using Serverless approach.</p>

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		<p>Solution architecture design: Serverless solution architecture vs. traditional EC2 based Compute architecture model.</p>
<p>Manage Cloud and On-Prem workloads and containers</p> <p>AWS Route53</p> <p>AWS Organizations</p> <p>AWS Control Tower EDR / NDR</p> <p>Amazon Mail</p> <p>Wordpress Bitnami hardened image</p> <p>The Falcon Security Platform powered with CrowdStrike</p>	<p>7 / 4,0</p>	<p>Risto Anton is the Owner of Lifetime Group, CEO is managing the AWS Security, Compliance and Governance at Scale and doing technical work hands-on successfully.</p> <p>Project: Lifetime Group's Admin Project</p> <p>Domain Management Planning</p> <p>Strategic Roadmap for Cloud Services</p> <p>Undertaking strategic reviews, identifying gaps and opportunities within the client organizations.</p> <p>enquiries about the Admin Project</p> <p>risto.anton@dws10.com</p> <p>Lessons Learned a ton of new while setup of the dws project site at https://dws10.com. The site is managed with Amazon Route 53, which is a reliable, cost-effective way to route end users to Internet applications along with deployment of the Amazon Work mail with multiple user accounts on AWS IAM and their mailboxes.</p> <p>Administrating Dws10.com & multiple sites .WordPress Certified by Bitnami and Automattic/6.0.1-6-r04 on Debian 11 by visiting https://aws.amazon.com/marketplace/pp/prodview-bzstv3wbn5wkq</p> <ol style="list-style-type: none"> 1. 2MFA solution. 2. Amazon mail is as an email service dws10.com 1. He is managing AWS Organizations, which enables to centrally manage, govern and consolidate all of a client's AWS accounts in the AWS Cloud. 2. NDR/EDR is done with AWS Control Tower, .. on to multiple domains.
<p>Multi-Platform Application UI Development with Dart language</p> <p>Microsoft Visual Studio Code with on Windows 11 Pro 22000.795</p> <p>Visual Studio Code 1.70.1</p> <p>Ubuntu 20.04.4 LTS (GNU/Linux 5.10.102.1-microsoft-standard-WSL2 x86_64)</p> <p>WSL2: Docker version 20.10.17, git version 2.25.1.</p> <p>Flutter 3</p> <p>FireBase</p>	<p>3 / 3,9</p>	<p>developer tasks</p> <ul style="list-style-type: none"> • Coding .NET MAUI • Debugging Code • Building • Testing functionality • Continuous delivery workflow • AWS Toolkit 1.45.0 • SAM CLI, version 1.53.0 • Azure Functions • AWS Step Functions // Azure Logic Apps • Docker Dev Environment • npm 8.11.0 • aws cdk JSON/TypeScript

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<p>.NET Multi-platform App UI development</p> <p>.NET</p> <p>C# 10</p> <p>XAML</p> <p>MAUI with a cross-platform framework for creating mobile and desktop apps with C# 10 and XAML.</p> <p>Building native apps that run on Android, iOS, iPadOS, macOS, Tizen, Windows from a single shared codebase on GitHub Codespaces.</p> <p>NET MAUI is the .NET Multi-platform App UI, a framework for building native device applications spanning mobile, tablet, and desktop.</p>	3 / 3,5	<p>https://github.com/bitfighter/bitfighter</p> <ul style="list-style-type: none"> Visual Studio 2022 Community Ubuntu on WSL2 Windows Subsystem for Linux, Visual Code, azure-cli 2.39.0-1, aws-cli/2.7.20 Python/3.9.11 Linux/5.10.102.1-microsoft-standard-WSL2 Docker 4.11 Git GitLab Community Edition/GitLab CE 15.2.2 Release Shell Scripting zsh / bash Xamarin Forms declarative IaC tooling for Azure including ARM Templates, Bicep and Terraform.
<p>Database design</p> <p>NoSQL Workbench for Amazon DynamoDB</p> <p>ORM architecture</p> <p>Microsoft Storage Explorer</p> <p>Azure SQL Database</p>	7 / 3,5	<p>Design Schema</p> <p>Design a testing strategy</p> <p>Create detailed designs for a solution</p> <p>SQL Database is a cloud database service built for application developers that lets you scale on-the-fly without downtime and efficiently deliver your applications.</p>
<p>Administering on Microsoft 365 Admin Center</p> <p>Azure Sentinel</p> <p>Administering business apps on Microsoft 365</p> <p>Microsoft Power Apps Platform Wave 2 solutions includes</p> <p>Customer Query</p> <p>Buy consultancy with calendar etc.</p>	7 / 3,0	<p>Hands-on practitioner to manage lifetimeconsulting.eu domain since 2018 on Microsoft 365 and Microsoft Azure.</p> <p>Certification: Microsoft Cloud Solutions Architect (Microsoft Academy 2017-2018 6 kk hands-on training Saranen/ Roine Antti, Bergius, Roine Jussi).</p> <p>Azure Sentinel is Microsoft's cloud-native SIEM that provides intelligent security analytics for your entire enterprise at cloud scale.</p> <p>This SIEM as a Service (SIEMaaS) solution is designed as a cloud-based security-monitoring platform that leverages the power of the cloud for analytics and detections.</p> <p>Administering domain lifetimeconsulting.eu on Microsoft 365 Business since 2018. (E3 trial).</p> <p>Microsoft Power Platform enables users and organizations to analyze, act on, and automate the data to digitally transform their businesses. Microsoft Power Platform today comprises four products: Power BI, Power Apps, Power Automate, and Power Virtual Agents</p>
<p>Build and version management</p> <p>GitHub</p> <p>Azure DevOps</p>	3 / 3,2	<p>2022 Design a testing strategy</p> <p>Create detailed designs for a solution</p>
<p>Configuration management</p> <p>IaC Terraform Cloud</p> <p>Managed Kubernetes</p> <p>AWS CDK</p>		<p>Kubernetes API and Kong Ingress Controller. Kubernetes Ingress is one of the most widely used resources across Kubernetes</p>
<p>CICD</p> <p>Agile cicd for github actions -> Azure</p>		<p>serverless.com</p> <p>AWS CloudFormation</p>
<p>API Design</p> <p>API Gateway management</p>		<p>Serverless</p> <p>HTTP/3 & QUIC</p>
<p>Managing Hybrid Cloud CI/CD</p> <p>Kubernetes</p> <p>Production-Grade Container Orchestration</p> <p>Kong Ingress</p> <p>TerraForm Cloud IaC</p>	3	<ul style="list-style-type: none"> 90 days DevOps Journey and CI/CD k8s / Docker TerraForm Cloud / Registry Log management Monitoring and incident response Ticketing system integration

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SIEM evaluation project; Microsoft Sentinel Workspace on domain lifetimeconsulting.eu ServiceNow Ticketing (SOAR) evaluation		<ul style="list-style-type: none"> • Policy violations and enforcement validation • Compliance obligations (for example, HIPAA, PII, COBIT 5) • Certifications (ISO 27001)
Building Serverless on AWS Amazon Web Services Partnerships: Amazon Marketplace Consulting ISPs, ISVs. Frameworks AWS Serverless Application Model (SAM) AWS CloudFormation Serverless framework is All-in-one development & monitoring of auto-scaling apps on AWS Lambda. Serverless open source frameworks on cnf	7	<ul style="list-style-type: none"> • Compute: Various workloads that deliver business value to Lifetime Group. • WordPress IaaS Bitnami with Virtual Machines Debian Linux managing machines. • PaaS managed machines. • Azure App Services, provisioning pre-built SaaS images • Storage, SQS Messaging, Data, Networking • Serverless with Azure Functions and Azure Logic Apps • Containers Docker / k8s Registry • Production Kubernetes Services • Azure Pipelines CI/CD
Building on Microsoft Azure Power Apps Platform Developer	7 / 3,5	<ul style="list-style-type: none"> • Compute: Azure IaaS with Virtual Machines Linux/Windows Docker managing machines. PaaS managed machines. • Running on Azure App Service, provisioning pre-built SaaS images and websites (web app architecture / API app) • Storage, Messaging, Data, Networking • Serverless with Azure Functions and Azure Logic Apps • Container Docker images on k8s • Azure Kubernetes Service • Azure Pipelines CI/CD. • Azure Active Directory IAM: Authentication Framework Microsoft Entra Verified ID GA
Building on Google Cloud Cloud Run APIs GCE Cloud Storage cims1909 Cloud Shell Editor - built using Eclipse Theia Cloud Spanner Fully managed relational database managed serverless containers Flutter 3 Developer Google Analytics for Firebase cims1909 Google Cloud Managed Service for Prometheus monitoring Integrations: cims1909 metrics, logs, dashboards and alerts to the application stack. observability and monitoring integrations: Grafana, Microsoft AD, .. PostgreSQL Cloud Run Jobs GA (serverless containers)	12 / 3,1	Cloud Console Project number: 597105056970 CIMS 1909 . Serverless containers; leveraging containers instead of functions to implement the custom logic and using the container as a utility service and incurring costs only when the container runs. Build and deploy scalable containerized apps using your favorite language (Go, Python, Node.js, .NET) on a managed serverless platform. Monitoring
Amazon CloudFront		AWS Fargate Project: a serverless, pay-as-you-go compute engine that lets you focus on building applications without managing servers. Building on AWS Fargate Serverless. My project deploys and secures workloads on Fargate. the tools and techniques the firm uses for real-time threat detection and response. New – HTTP/3 Support for Amazon CloudFront 🍌 HTTP/3 uses QUIC to overcome many of TCP's limitations post by @channyun https://aws.amazon.com/blogs/aws/new-http-3-support-for-a-mazon-cloudfront/ #AWS #CDN #Networking
Test automation Snyk Developer	3 / 3,0	Security operations center (SOC) teams rely heavily on security information and event management (SIEM)

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Security GitHub Codespaces & Copilot		<p>solutions for data management, deep intelligence, and incident response—but traditional SIEMs don't emphasize cloud-specific events and unauthorized scenarios.</p> <p>To improve AWS deployments, SOC teams need new and cloud-centric capabilities.</p>
Artificial Intelligence Machine Learning	4 / 3,5	<p>Certifications: IBM Data Science, IBM AI. Services include</p> <ul style="list-style-type: none"> Computer vision Natural Language Processing (NLP) Speech Recognition Machine Learning Intelligent Search Optimization Engines Deep Learning Explainable AI Time series forecasting Reinforcement learning IBM Watson <p>Amazon SageMaker</p> <p>Azure AI</p> <p>Open-source frameworks and languages including MLflow, Kubeflow, ONNX, PyTorch, TensorFlow, Python, and R.</p>
Testing and Debugging on Visual Studio Code Docker Test Environments Build / Shared Containers Dapr 1.8.0 Linux CLI / Runtime is a portable, event-driven runtime that makes it easy for any developer to build resilient, stateless and stateful applications that run on the cloud and edge and embraces the diversity of languages and developer frameworks. Leveraging the benefits of a sidecar architecture, Dapr helps you tackle the challenges that come with building microservices and keeps your code platform agnostic. linux Dev environment Docker Dev Environments GitHub Workspaces	7 / 3,5	Performance testing
Cybersecurity Skills	12 / 4,0	<ul style="list-style-type: none"> • Can lead and/or coordinate and participate in the development of cyber security projects. • Can Lead and/or participate in the planning, design, and implementation of cyber security controls, and evaluate and lead the implementation of SIEM. • Can Develop cyber security policies, procedures and recommendations. • Can work to ensure Cyber Security services are deployed, configured and managed as required. • Is able to develop service related KPI's to support the reporting of the clients Cyber Security posture.

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		<ul style="list-style-type: none"> Can work with the SOC team as team member open, work, close in daily tickets (ServiceNow). Can work as analyst on Microsoft Defender Threat Intelligence (Defender T1) platform to streamline triage, create and manage incident response, carry out threat hunting and vulnerability management duties, etc. Can deploy an Azure Active Directory into domain, deploy Premium license for Defender 1, Azure Sentinel. Can deploy and analyze output of The Microsoft 365 Defender solution for Microsoft Sentinel enables you to ingest Security Alerts/Incidents and raw logs from the products within Microsoft 365 Defender suite into Microsoft Sentinel. Based on RiskIQ can do operations on client domains to reduce attack surface when needed.
Blockchain	5	<ul style="list-style-type: none"> Decentralized Identity Foundation Microsoft Entra Verified ID (GA) HyperLedger Aries 4
IT Infra Skills		
IT Operations management Backend observability Linkerd adds critical security, observability, and reliability features to your Kubernetes stack with no code change required.	3 / 3,2	is familiar with multiple cncf.io Cloud Native Computing Foundation Projects Prometheus is a systems and service monitoring system. Linkerd is an ultralight, security-first service mesh for Kubernetes.
Data Science; excel use of data Reporting	5	Organizations that excel use data to deliver value to their customers, deriving at least 20% of revenue from data and analytics (DataStax).Data leaders improve the customer experience with better personalization, deliver deeper insights for strategy and tactical work, and increase client revenue streams. Jupyter Notebook / Jupyter Server Microsoft / AWS / IBM Microsoft Power BI
Ict security, continuous serverless delivery	15	2022
NoSQL Databases Azure Cosmos DB Amazon DynamoDB Amazon Aurora SQL Databases MySQL MariaDb DB SQL / NOSQL Amazon OpenSearch	12 / 3,2	NoSQL Workbench for Amazon DynamoDB Microsoft StorageExplorer OpenSearch enables you to easily ingest, secure, search, aggregate, view, and analyze data for a number of use cases such as log analytics, application search, enterprise search, and more.
Coding and DevOps Skills		
TypeScript AWS Lambda Power Tools for TypeScript is an open-source developer library to incorporate	7	TypeScript is safer than JavaScript and is supported by AWS and Microsoft so it's a safer choice for many needs.

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Well-Architected Serverless best practices into AWS Lambda function code.		
Svelte Native Mobile Development	5	Svelte Native Mobile development framework 1987 "Svelte Native is a new approach to building mobile applications using NativeScript. Where other JS-Native frameworks like React-Native and Nativescript-Vue do the bulk of their work on the mobile device, Svelte Native shifts that work into a compile step that happens when you build your app.
React Native Mobile Development		Instead of using techniques like virtual DOM diffing, Svelte writes code that surgically updates the native view widgets when the state of your app changes." React Native combines the best parts of native development with React, a best-in-class JavaScript library for building user interfaces, supports JSX.
Node.js v16.16.0-x64.msi npm package manager	8	Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine.
C, C++, C#, Go, HTML5, JavaScript, CSS	12 / 3,6	Coding with the The Internet Web2 tools Microsoft Visual Studio Code 1.70.1 Microsoft Windows Shell Scripting Terminal 1.14.1963.0 PowerShell ARM Scripting 7.2.5
Designing Applications		
Flutter 3 multiplatform UI development Firebase AWS Amplify Google Developer Network	7	MAUI platform from Google powered with Dart language is an excellent choice. Android Studio
AWS Deployment AWS Toolkit AWS Cloud Development Kit (AWS CDK) cdk8s CDK for Kubernetes (TS constructs) AWS CloudFormation Designer on project dws41 YAML, JSON	7	The AWS Cloud Development Kit (AWS CDK) is an open-source software development framework to define your cloud application resources (patterns , libraries) using TypeScript, Python, C#, the CDK patterns . Libraries for AWS Cloud Development Kit (AWS CDK), which generates AWS CloudFormation (managing with CF designer) for templates, and CDK for Kubernetes (CDK8s), which generates Kubernetes manifests. <ol style="list-style-type: none">1. use preconfigured application components2. model my application3. provision my application with AWS CloudFormation templates.
Administering application ecosystem Google Workspace Enterprise	15	Administering lifetime.fi domain on Google Workspace. Administer the service environment (SIEM) Know how to deploy applications to multiple sites Monitor the central infrastructure Design and customize the search queries using a proprietary language Develop dashboards, data models, reports, and optimize their performance
Maintaining DevOps environments on Linux, Windows, MacOSes Python scripting Jupyter Notebook Shell Scripting	7 / 4,0	Python 3.10.5 on Mac JAVA JDK 17 on Mac Java 1.84 Runtime on Mac Developer Terminal
Modeling & Business Model Development Gliffy Atlassian JIRA, Atlassian Confluence, wikis	15 / 4,0	Metropolia.fi (wikin teko kurssille älykkäät teolliset ratkaisut Google Sites palvelussa).
Product platforms		
Apache Spark 3.x	2	2021

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Apache Whisk		
IBM Watson (as of Business Partner)	2	Managed Detection and Response (MDR) solutions
Amazon Web Services (as of Consulting Partner)	5	
Role: Ms Azure Architect	7	
Azure DevOps	5	
VMWare Tanzu Community edition	3	
Bitnami virtual machines		
Software development project and lifecycle mgmt		
Git on Ubuntu & Mac GitHub as Development Platform GitHub Projects	3	
GitLab CE 15.2.0	2	GitLab Community Edition platform covers 100% of software development lifecycle with issues, code review, CI, CD, and release cycle analytics wrapped into an elegant UI so you can improve your team's software development and to accelerate software delivery.
Atlassian JIRA	4 / 4,0	managing backlog and projects on JIRA platform. Plan, track, and manage your agile and software development projects in Jira. Customize your workflow, collaborate, and release great software. Issue management.
Confluence		
Mobile platforms		
Apple iOS XCode	7	
Google Android Android Studio	7	
OS platforms, VMs, Containers		
Google Anthos	2 / 3,0	Perhaps the Best Multicloud management platform. container orchestration and management service for edge and hybrid cloud.
Apple OS X	6 / 4,0	As daily tool.
Linux Server Images on the cloud Various AMIs and images VMs on AWS Various VMs on Microsoft Azure Microsoft Windows Server IIS	15 / 4,5	Directly build on VMs -The physical deployment of each service requires you to have a set of instances with additional tasks to address required activities such as load balancing transactions clustering caching messaging data redundancy
microservices architecture	5 / 3,5	an important approach for distributed mission-critical applications. In a microservice-based architecture, the application is built on a collection of services that can be developed, tested, deployed, and versioned independently.
Testing tools		
DevSecOps	4	
Azure DevOps	5 / 4,0	Hands-on practices on various projects
Sonarqube	0,2	No implementations yet
JMeter	0,2	No Implementations yet
Jenkins	0,2	No implementations yet
Business Software products		
SAP	6 / 3,0	Membership: SAP Developer Network since 2001
MSOffice 365 Power Apps	6 / 3,2	Membership: Microsoft Developer Network since 1996
Container technologies		
Docker	6 / 4,2	Enterprises are increasingly realizing cost savings, solving deployment problems, and improving DevOps and production

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		operations by using containers. Docker has become de facto standard. Docker Desktop 4.11.0 (83626). Project: eShop
Kubernetes Management Platforms Tanzu Community Edition	4 / 4,0	2022
APIs		
Amazon EventBridge	6	Amazon EventBridge is a serverless event bus that makes it easier to build event-driven applications at scale using events generated from your applications, integrated software as a service (SaaS) applications, and AWS services. EventBridge partner event source integrations enable customers to receive events from over 30 SaaS applications and ingest them into their AWS applications.
AWS API gateway	2	Amazon API Gateway is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale.
scalable serverless GraphQL APIs	2	
AWS AppSync	2	AWS AppSync is a serverless GraphQL API service that simplifies application development by providing a single endpoint to securely query or update data from multiple data sources, like Amazon DynamoDB and Amazon Aurora RDS.
IBM API gateway	2	
Google API gateway	2	
Cloud services		
Terraform cloud Terraform Registry	4 / 3,0	2022
Role: MS Azure Solutions Architect	6 / 4,0	2022
Role: MS Office 365 Administrator	7 / 4,0	2022
Google Workspace Admin	15	application management user management security policy
Role: Amazon Web Services (AWS) Architect	6 / 4,0	2022
Business Sector Knowledge	Experience in years	Last Used in Project / Program
Insurance		
Finance	4	years of company finance process experience. Project CIMS.
Retail	12	
Healthcare	4	
Government	6	
Telecom	4	
Media	12	
Energy	4	
Building Construction		
Process Knowledge		Skills
Finance	5+	
Role: Business Owner (BO): Human Resources Management (Consulting team, developer team)		
BO: IT Security and Administration		My Cyber Soft Skills are good situational awareness, threat recognition, verbal judo, weak signal analysis, person analysis, AI co-piloting when working on the 'field'. Azure Key Vault ASP.NET Core Secret Manager AWS Key Management Service (AWS KMS) makes it easy for you to create and manage cryptographic keys and control their use across a wide range of AWS services and in your applications. AWS Secrets Manager helps you protect secrets needed to access your applications, services, and IT resources. The service enables you to easily rotate, manage, and retrieve

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		database credentials, API keys, and other secrets throughout their lifecycle.
BO: Software Engineering Skills		Maintaining hands-on all software engineering disciplines.
BO: Solution Sales Skills	15+	sales process experience CRM, Salesforce
BO: Marketing Skills	15+	years of marketing process experience Google Analytics Google AdSense Google AdWords
BO: Teamwork Skills Remote Work	7	Team leader influencer; 15k LinkedIn followers, 2k twitter followers

Project experience

Lifetime Digital Workspace for Intelligent Industries is an award winning project approved by the European Commission and was first time funded in 2021 for a version 3 from EBAN Business Angel Network. We are building version 4 at the moment and Participating fundraising events on 10th of October for DWS 4 in various countries and events.

Project business name: Lifetime Digital Workspace for Intelligent Industries European Investment Portal name: Lifetime Digital Workspace Platform (dws) Customer: Lifetime Group Certified Partners Consortium Time involved: 05/2019 - present	Description of project: What is the goal of the project Montreux (version 4)? What has been achieved so far? Project version 3 has attracted EBAN to offer their support for the build phase on AWS. Project has a workable own site https://dws10.com and media services in place. What is the desired outcome? Platform: AWS, Microsoft Azure AD, Linux AMIs Backend Services: Amazon DynamoDB, S3 datalake,AWS Services Frontend Application: Android, iOS MAUIs role: Product Owner responsible for building MVP and fundraising roadmap along with the deck and pitch preparation. Risto Anton has extensive knowledge on European fundraising markets, Business Angels Networks, VCs, Crypto Funding space. Lifetime Group is a member of Metaverse Standards Foundation which is creating momentum and technical capabilities for AR/VR on Metaverse. role: Agile Project Manager responsible as start-up project manager to build everything from product idea into product launch. role: Solution Architect
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	<p>responsible as SRE to deliver everything as promised in-time on-budget.</p> <p>role: Developer responsible for creating mobile application mock-up, demo, fundraising demo, alpha, beta etc. versions, MVP, coding, backoffice, tools stack including cybersecurity and secrets management.</p> <p>Responsibilities:</p> <ul style="list-style-type: none">▪ solution architecture for development, testing, production. database design, data lakehouse design▪ UI design, mobile application, VR/AR.9 design and implementation of DevOps and its Security▪ continuous integration and deployment serverless framework AWS Lambda, CDK
<p>Project name: CIMS</p> <p>Customer: SaaS</p> <p>Time involved: 01/2019 - 07/2019</p>	<p>Description of project: Crypto Investment Management Studio (CIMS)</p> <p>Platform: Microsoft Azure</p> <p>Support: Microsoft BizSpark Program</p> <p>Finance: Finnvera loan</p> <p>Software: HTML5, C# MS SQL Server, IIS, HyperLedger Aries.</p> <p>Own role: Project Manager</p> <p>Responsibilities:</p> <ul style="list-style-type: none">▪ managing project team of 5 specialists▪ requirements specifications▪ test planning▪ testing▪ building

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Career history

Lifetime Consulting 04/2018 - present	Job Title: Agile Project Manager Main responsibilities: <ul style="list-style-type: none">▪ Project Planning, Project Costs, Project Resourcing.▪ Project Portfolio▪ Sprint Audit with agile, kanban, GitHub Actions, JIRA▪ backlog owner▪ Budgeting, Reporting.▪ Ollut vastaavassa roolissa Verolla palkka.fi hankkeessa jossa toimin suunnittelupäällikkönä vastaten * hankkeen kilpailutusvaiheen suorittamisesta. Tarjouspyynnöt ja tarjousvaiheen viestintä.▪ Sopimukseen ja palvelun järjestämiseen liittyvät hallinnolliset tehtävät,▪ Projektipäällikkö valmistelee ja johtaa palvelukokonaisuuden seurantaryhmän kokoukset yhteistyössä ohjausryhmän pj.n kanssa.▪ Toimiminen ensimmäisenä kontaktina tilaajan suuntaan sekä vastuiden jako tiimin kesken (sopimusasiat, tekniset asiat, kehittämisen asiat, kumppaniyhteistyö).▪ Palvelun organisointi ja kehittäminen ; roadmapin luominen▪ Dokumentaation ajantasaisuudesta huolehtiminen yhteistyössä toimittajan ja SOCin kanssa.▪ Yhteydenpito ja raportointi tilaajalle; johtoryhmä, ohjausryhmä, muut tilaajatahot?▪ Monitoimittajaympäristön yhteistyön johtaminen ja koordinointi, palaverien veto projektin osalta.▪ Erillistehtävien koordinointi ja vastuutus sekä resursointi ml. erillisprojektit.▪ Kehitystehtävien kehitysjonon (backlog) ylläpito ja priorisointi yhdessä tilaajan kanssa.▪ Poikkeamien raportointi, tarvittaessa reklamointi, sopimusten tarkastelu, aikataulukysymykset, jne.projektin aikana ilmenevät nopeatkin tilanteet esim. sovellusarkkitehtuurista, palveluarkkitehtuurista, järjestelmäarkkitehtuurista, yksittäisistä komponeista johtuvat vikatilanteet sekä niistä toipuminen ja tai uudelleenmäärittelyn veto.
Lifetime Studios 04/2018 - present	Job Title: Cloud Developer Main responsibilities: <ul style="list-style-type: none">▪ Writing error-free code, Sprints work▪ design and implementation of client solutions▪ administering all testing and environments blue/green▪ testing DevSecOps tooling the client solution/ software
Lifetime Studios	Job Title: Cloud Solutions Architect Main responsibilities: <ul style="list-style-type: none">▪ Writing error-free IaC code for Solutions▪ Security of AWS Services▪ Architectural design and implementation of client solutions▪ administration of all testing and environments blue/green

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	<ul style="list-style-type: none">Strategy and Roadmap of DevSecOps, AMIs, Subscriptions tooling the client solution/ software.AWS Control Tower Management for AccountsAccount Manager for client accounts.ContainerizationTeam Leader for Projects.
Lifetime Group (Oy) 04/2018 –	Job Title: CEO Main responsibilities: <ul style="list-style-type: none">solution salesworkflow with the client consulting assignments,partnerships and agreements and cooperation with AWS, Microsoft, Google, WithSecure, SSH, Hashicorp GitHub, SaaS vendors (many partnerships).

Language skills

Finnish	Native speaker
English	Fluent in project work and remote environments
Swedish	Good Tjänstemans Språkprov
German	Basics

Smart Factory Program in Metropolia University of Applied Sciences YAMK (M.S.)

Year	Course	Grade	Specifications
2022	Älykkäät teolliset ratkaisut	4 out of 5	
2022	Tutkimusmenetelmät ja valmiudet	4 out of 5	Metropolia University of Applied Sciences YAMK (M.Sc)
09/2022	Projektien johtaminen		Metropolia University of Applied Sciences YAMK (M.Sc)
10/2022	Reunalaskennan valmiudet ja menetelmät Sovellettu seminaari I		(extensive, deep knowledge of IoT, 5/6G, edge containers, container orchestration, DIDs, Artificial Intelligence; Computer Vision, , Reinforced learning /Machine learning, serverless framework etc.) Please ask a copy of the paper.
10/2022-04/2023	Kyberturvallisuuden valmiudet ja menetelmät, SOC työskentely Sovellettu seminaari II		Microsoft Defender, Microsoft Power Apps 2, Microsoft Sentinel, Microsoft Security Center, Microsoft Admin Center, ISO27001, SOC 2 type 2, please ask a copy of the paper.
08/2022-	Master Theseis		I am open to discuss this with client organization. Also very deep subject work to finalize as PhD is possible.
2020-	CISSP Certified Information Security Professional		8 ECTS
2020-	AWS Architect Certification(s) AWS Cloud Practitioner AWS Cloud Architect AWS Security		Risto Anton has extensive knowledge of Amazon Web Services, AWS Data Lake and related services, S3, AWS Athena, AWS Lambda, AWS

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			Event Bridge, AWS API Gateway, AWS Architectures, Serverless Containerisation
2022	Certified Project Manager		IPMA Level C Certification

My AI Voice Interview (Answers updated 08/2022, transcript)

Google has released a new tool for practicing job interviews with an AI coach called [Interview Warmup](#). The website is part of the company's Grow With Google program and uses speech-to-text and natural language processing to mimic a job interview for five different technical roles or a non-specific position.

What are you looking for in your next job?

As a Data Architect I want to analyze data sources and analyze data to find great solutions to the customer issues raised that they are facing in their business. To show customers data in appealing form is important, whether we use Tableau, Office 365 and build Power Apps for client workflows.

As a Cloud Architect the building of new services for customer needs is important. Securing business continuity, low RiskIQ Identity Access Management, Observability, Monitoring, Containerization, SaaSes. Then there is security, Disaster Recovery Planning (DR), for example Business Continuity and Disaster Recovery and their toolsets.

As Cloud Developer Building solid DevOps pipelines and teams associated with the right tooling and effective builds that follow secure policies like Snyk tooling, Git, Among others. IaC Scripts. I may lead a team or be a team member. I also think PowerApps like no code/low code workflows and automation will play a major role in many work duties in the near future.

Tell me about a time you had to deliver on multiple competing priorities. What did you do, and what were the results?

When there are multiple competing priorities, first, me and my team must prioritize and sort out which top three solutions and answers we need to solve urgently for the client. We need to analyze the gathered information and then make informed decisions in daily meetings.

At a strategic level, we want to make a critical road map for the following priorities for the company to prioritize the project portfolio and to then make it easy to meet the goals that our customer has set for us.

You're putting together a presentation for a client using several data visualizations. What steps would you take in your final review of the presentation to make sure the information is clearly communicated?

In the presentation my team would state the problem first. then we would state the solution if available. Third, we would pinpoint the steps needed from the customer and from our side to reach a Go/No Go decision to deliver the solution to the customer problem.

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When do you try to push through and solve a problem on your own, and when do you involve others on your team?

We need to make informed decisions after reviewing our team members' strengths and weaknesses, skills and capabilities to see which combination gives the best answer to solving the problem, and who will carry out delivering the solution.

Liite 1: Järjestelmäarkkitehti -tehtävän erityiskysymyksiä

Yhteenveto ; Reunalaskennan menetelmät ja valmiudet

Reunalaskenta (eng. edge computing) perustuu älykkäisiin päätelaitteisiin, joissa toteutetaan tietojenkäsittelyä. Näitä ovat älypuhelimet sekä erilaiset IoT laitteet, kuten kodinkoneet jotka keräävät tietoa ja jalostavat sitä "paikan päällä".

Useimmiten syötteenä tuotettua (eri päätelaitteista, konenäöstä) dataa analysoidaan ja tallennetaan lähellä sen keräyspistettä. Päätelaitteen hallintaa ollaan siirtämässä kontitettuihin käyttöjärjestelmäympäristöihin näiden laitteiden sekä reunalaskentapalvelujen hallittavuuden lisäämiseksi. Esimerkiksi tällaisesta kontitetusta reunalaskentaan soveltuvasta käyttöjärjestelmätoteutuksesta on [Red Hat Enterprise Linux CoreOS \(RHCOS\)](#).

Tällöin konttien orkestrointi suoritetaan pilvipalveluna Red Hat OpenShift alustalla. Palveluja voidaan toteuttaa OpenShift Serverless tekniikalla, joka perustuu open source Knative project -projektiin.

Järjestelmäarkkitehtuurina reunalaskennan toteuttaminen serverless containerisation tekniikoin on kasvava trendi useastakin syystä.

Ensiksikin, serverless mahdollistaa palvelujen toteuttamisen ilman virtuaalikonetta pilvipalvelussa. Näin kyetään välttämään viivettä, joka aiheutuu cold start tilanteesta Function as a Service -palvelun käynnistyessä esimerkiksi Amazon Lambda palveluna. Samalla saavutetaan tiedon siirrosta johtuvan viiveen eliminointia. Kontti voi olla warm standby-tilassa, jolloin palveluvaste on nopea silloin kun heräte saapuu.

Toiseksikin, kun tarvittava palvelu viedään konttitekniikalla laitteeseen, saadaan laitteen ylläpito ja vikatilanteet paremmin hallituiksi. Hajautetun identiteetinhallinnan kautta voidaan rakentaa PoP verkkoja, jossa funktio toteutetaan lähimmässä laitteessa josta funktio on saatavilla.

Reunalaitteiden serverless konttiratkaisun teknologipinoa valittaessa huomioidaan mm. yrityksen aiemmat arkkitehtuuritavoitteet ja -linjaukset esimerkiksi pilvipalveluiden osalta, sekä onko jo valittu jokin tietty pilvipalvelutoimittaja ja siihen perustuva kehityspolku, vai onko yrityksellä pilviagnostinen monitoimittaja pilvi strategia, erilaisten laitteiden, tiedonsiirron (5G, wirepas, jne), sekä konttien orkestroinnin sekä laitekontituksen järjestelmien kyvykkyydet, ylläpito ja sekä jatkuvan kehittämisen roolit, uusien teknologioiden kypsyys, liiketoimintamahdollisuudet sekä toteutusten ROE ja ROI kustannustehokkuus laitteiden elinkaaren sekä konttitekniologioiden sekä tiedonsiirron osalta.

Toiseksi on huomioitava ohjelmistoarkkitehtuurit sekä näiden toteutuksen valittu monitoimittajamalli; kuka toteuttaa palveluja, millä teknologiapinolla, sekä miten ja kenen toimesta toteutetaan jatkuva integrointi ja tuotantoonvienti mahdollistaen tuotekehityksen joustavuuden palvelutuotannossa mm. ohjelmoijien ulkoistamisen tai sisäistämisen osalta. Tällöin on asetettava erityistä huomiota esimiesten soft skills taitoihin , henkilöstön kielitaitoon sekä kulttuurisiin taitoihin monikulttuurisissa toimittaja,- kumppani,- ja asiakasympäristöissä.

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