Ilari Mäkimattila

Cloud Software Engineer, Architect, DevOps

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Allmendstrasse 158, 8041 Zürich, Switzerland

Experience

Lead Software Architect

evenito AG   Nov 2020 Zürich, Switzerland

- Leading the effort on the virtual event attendee platform

Senior Software Engineer/Software Engineering Team Lead

Auterion AG   Jun 2018 – Jun 2020 Zürich, Switzerland

- Architected and built an IoT fleet management and flight analysis platform from scratch
- Designed fleet performance dashboards and developer analysis tools together with end users
- Architected and built anomaly detection and predictive maintenance for drones with Data Scientists
- Bootstrapped the web frontend, the CI/CD pipeline, infrastructure, and production monitoring using StatsD and DataDog
- Tech stack: Vue.js, TypeScript, Node.js, Rust, C++, Python, PostgreSQL, Docker, AWS, Terraform, GoCD, Gitlab CI

Promoted to a team lead starting from August 2019

- Managed three direct reports
- Had responsibility of hiring and onboarding new recruits
- Designed and helped HR to implement a new company wide interviewing practices
- Drove other teams and the company towards TDD practices
- Responsible of overall AWS / GCP cloud software architecture
- Participated in product management and customer communications
- Hands on daily

Work ended because of COVID-19.

Senior Software Engineer

Siroop AG   Jan 2017 – Jun 2018 Zürich, Switzerland

- Feature lead on payment provider integrations
- Responsibility of payment provider integrations architecture
- Integrated the marketplace with Datatrans and ByJuno
- Implemented the foundation of the new search and product data pipeline using AWS Lambda, DynamoDB, Elasticsearch, Node.js
- Added production monitoring with StatsD protocol and DataDog
- Team OKR champion
- Reimplemented siroop.ch marketplace platform from scratch
- Tech stack: Python 3, Django, Flask, PostgreSQL, Node.js, DynamoDB, Lambda, Serverless, Elasticsearch, AWS ECS, Terraform, GoCD

Profile

Software Engineer with cloud focus capable of working in the full lifecycle of cloud software from concept to maintenance.

Skills

- **JavaScript/Node**: 12 years; Vue.js, Angular, Backbone, jQuery, Prototype, Express, Webpack, Gulp, Jasmine, Karma, etc.
- **Python**: 4 years; Django, Flask, Sanic, SQLAlchemy, werkzeug, CPython, PyPy, etc.
- **Rust**: 2 years; Rocket, actix-web, grpcio, diesel
- **C#**: 5 years; ASP.NET, .NET Core, Entity Framework, nHibernate
- **PHP5+**: 5 years
- **C++/Qt4**: 2/3 years pro/uni
- **Ruby, Go, VB, F#, Clojure**: some work/hobby
- **Java**: 3 years uni
- **HTML/CSS**: 15+ years
- **Bash/Unix**: 15/10 hobby/pro
- **PostgreSQL**: 6 years
- **MySQL**: 5 years
- **MSSQL / Azure SQL**: 5 years
- **DynamoDB**: 1 year
- **Servers / IaC**: 5 years; Terraform, ARM
- **CI/CD**: 10 years; Jenkins, CircleCI, Travis, GitLab CI, GitHub Actions, GoCD
- **Docker**: 4 years
- **AWS**: 5 years; EC2, ECS, ASG, ELB, RDS, EFS, EBS, IAM, DynamoDB, Lambda, Backup, etc.
- **Azure**: 3 years; Web Pages, Azure SQL, Azure AD, DocumentDB, Functions, etc.

Azure Developer / Architect

Kompozure Ltd   Apr 2015 – Dec 2016   Helsinki, Finland

- Worked directly with a customer to build an invoice processing app using Azure PaaS and C# .NET Core, Azure SQL, Service Bus, Redis, Angular.js
- Architected and built a hybrid on-premise / Azure message broker with hot swappable components using C#, MEF, RabbitMq, Azure Service Bus for a client who produces public transportation ticket payment systems
- Provided software architecture consultation for companies who were migrating to Azure
- Frequently used Azure services: Web Apps, SQL, DocumentDB, Blob Storage, Cache, Service Bus, Service Fabric, AD, Functions, Monitor, ARM

Senior Software Engineer

Transfluent Ltd   Dec 2013 – Apr 2015   Remote, Finland

- Built a translation automation backend with a public API
- Implemented an open source Ruby SDK for the API
- Designed the architecture and roadmap for monolith to microservice migration together with the CTO
- Tech stack: PHP5, Ruby, Angular.js, MySQL, PostgreSQL, AWS Elastic Beanstalk

Software Engineer / DevOps

Sympa Ltd   Apr 2011 – Dec 2013   Lahti, Finland

- Built an HR app for large businesses and government organizations
- Automated code review and CI processes
- Facilitated move from Visual SourceSafe to Git
- Worked on automating the deployment process
- Tech stack: C#, F#, ASP.NET, nHibernate, MSSQL, IIS, JavaScript, CoffeeScript, Backbone.js

Co-founder / CTO / Chairman of Board

Neovica Ltd   Dec 2008 – Mar 2016   Lahti, Finland

- Co-founded the company with the idea of providing a continuous improvement solution for factories.
- As the technical part of the founders, I built the company product alone for two years before we were able to hire personnel.
- Stepped aside from the operative side in 2011 because I lost faith in the idea and our capability to execute it. I helped the other co-founder part-time until I sold my share in 2016.
- Tech stack: Linux, Apache, MySQL, PHP5, C++/Qt4

Education

Lahti University of Applied Sciences – Lahti, Finland

Bachelor of Engineering, Software Technology, 2005–2010

Languages

- Finnish - Native
- English - Fluent
- German - B1

Other Interests

I enjoy exploring the great outdoors on my motorcycle. I spend a significant amount of my free time in the mountains, hiking in the summer and skiing in the winter. I also occasionally play board games and computer games.

Links

GitHub
https://github.com/ilari-makimattila
LinkedIn
https://www.linkedin.com/in/ilari-mäkimattila/
HackerRank
https://www.hackerrank.com/ilari
Instagram
https://www.instagram.com/ilarimakimattila/

Personal Data

- Date of Birth: 18.09.1984
- Civil status: single
- Nationality: Finnish
- Residence permit: B

Available online at
https://ilari-makimattila.github.io/CV/