Yuce Sungur

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PROFILE

Highly motivated, driven Principal Architect with 16 years of experience on enterprise applications, security, integration and IT Strategy.Turning technology solutions into business solutions. Integrating start-up technologies into the enterprise and financial services landscape.

An enterprise/digital architect always helping business units and clients to learn the technology, choose the right solution.

EXPERIENCE

Solution Architect, public sector client, -; 2020 March - Present

- Principal Technical Architect role developing cloud strategy, modernizing the cloud services platform, gathering requirements and presenting to architecture committee and senior stakeholders.
- Creating the product map for the Azure infrastructure, capturing the requirements, senior stake holder meetings, etc.
- Technical Architect designing the onboarding process for ever-changing contractor developer resources for the organization:
  - Organizational technology standards
  - 12 factors to follow uyup as development guidelines
  - Azure DevOps environment to set up
  - RBAC model that fits in the with the platform pipeline output
- Hands-on DevOps Architect/Leade designing and developing:
  - A cloud platform with Servie mesh(Istio) on Kubernetes(AKS) and integration with Azure services
  - GitOps style ADO(Azure DevOps) build and release pipelines for platform management,
    - Code: Terraform for infrastructure management, Helm for Kubernetes and Istio manifests,
    - Automated Testing: Go and Terratest for integration and end-to-end testing,
    - Monitoring: Azure monitor, Azure Security Center
    - Security: Azure Policy and Role-based access control(RBAC) on Azure Active Directory(AAD)
  - An application release pipeline:
    - Deployment: Canary deployment using Azure Agent SMI capabilities on Istio,
    - Monitoring: Azure Application Insights

Principal Architect, AppCtl, London; 2020 February - Present

- AWS Principal Architect/CTO for a Cybersecurity startup(Cylon backed and TechNation member) for scaling, cost optimization and automation.
  - For V1; developed automation scripts using AWS .NET Core SDK for creating ACM public certificates, Application Load Balancers and deployment of these artifacts to the production environment. Created CloudWatch dashboards.

- For V2; created a CI/CD pipeline on Azure DevOps for multi-cloud deployments.Deployments of video files to a CDN(CloudFlare), web application to OVH for test environments, and AWS - ECS for production environment.Technologies used: Docker, Docker-compose, Rabbit-MQ, Redis, PostGre-SQL, .Net Core, ECS, ECR.

Technology Consultant, Capital Markets - Financial Services, Accenture UKI, London; 2017 August-2020 February

- DevSecOps Lead role on a multi-vendor cloud migration programme for a financial regulator/institution, delivering high-level designs, leading a team of engineers, and creating pipelines.
- Lead Architect for a telco, on an AWS migration project, creating high-level, low-level designs.
- Security Architect role for a resources client, owning the security stream. Key responsibilities: high and low level designs, stakeholder management, vendor management, requirements gathering.

Lead Enterprise Architect, IsBank; Istanbul — 2006 September -2017 August

- Chief Architect for Data Centre Transformation Program and Technical Lead of the Design Phase: Responsible for 10K / 50 K+ man days within the over all program. Work includes, not only:

  - High and Low Level Design of thirteen IT domains, including Mainframe, ITSM processes,network, databases.
  - Creating a design process for a leaner and intra compatible infrastructure, with cross-domain(design integrity) workshops,
  - Leading the active-active(cloud) design patterns workgroup of software architects and developers.
  - Driving the RFI and RFP processes, writing Statement of Work.

- Security Architect for Digital Banking: Working with business units and software architects, building solutions and integrations with compliant security architectures of new technologies and owning the implementation stages.The projects include: device fingerprinting for mobile app(including security process design), digital moneybox, public portal and CMS, data management platform, digital fraud detection, omni-channel security services, video streaming to branches, for the mobile app: crash analytics, face detection.

- Lead Enterprise Architect: leading a team of infrastructure architects, delivering IT infrastructure and security standards, creating and operating a TOGAF design process that unites business, software and IT operations units.

- Key Solution Developer: hands-on development of some key infrastructure solutions, like: Identity Provider for the e-government, canary deployment and automation, the software update system on branches, an OTP server for VPN gateways.

Software Developer, General Electric - MTC; Istanbul — 2005-2006

Python and Java development; JUnit, Ant, Zope.

SKILLS

- Security Architecture, Data Centre Security
- IT Strategy, Strategic Planning.

- Technical team leading, Lean Product Development.
- Enterprise architecture, Requirements Analysis.
- Delivery Management, Stakeholder Management.

TECHNICAL SKILLS

- Identity: AWS Cognito, OAuth2, RBAC
- Containers: Kubernetes, istio, Helm, Docker.
- Programming: Python, Bash, Go.
- Pipeline: CircleCI, AWS CodePipeline, Jenkins, Azure DevOps.
- Testing: InSpec, JMeter
- Config Management: Chef, Ansible
- IaC: Terraform, CloudFormation
- Monitoring: Splunk, CloudWatch
- Architecture: Cloud, Network, Security, Integration
- Integration: AWS API Gateway, IBM DataPower, F5 Big-IP

CERTIFICATIONS

- TOGAF 9
- CISSP
- AWS Certified Solutions Architect – Professional
- AWS Certified DevOps Engineer – Professional
- Google Certified Professional Cloud Developer
- Google Certified Professional Cloud Architect
- Certified Kubernetes Application Developer(CKAD)

EDUCATION

- Vrije Universiteit Brussel, Brussels — MSc in Applied Computer Science
- Dokuz Eylul University, Izmir — BS in Electrical and Electronics Engineering
- Bornova Anatolian High School, Izmir

HOBBIES

Rowing, Cycling, British Mensa.