TIGRAN HOVHANNISYAN

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PROFESSIONAL SUMMARY

Experienced Senior Infrastructure and Software Development Engineer with over 12 years of expertise in building scalable cloud-native platforms and developer tools. Proficient in Infrastructure as Code (IaC) using Terraform and Ansible, automation of CI/CD pipelines, and backend development in Python and C++. Known for leading initiatives that reduce deployment times, enhance system reliability, and optimize cloud performance across GCP, AWS, and OCI environments.

PROFESSIONAL EXPERIENCE

Questrade Financial Group - *Senior Infrastructure Engineer*
Yerevan, Armenia
12/2022 – 12/2024
- Architecting and maintaining a developer-first platform on GCP to accelerate development cycles.
- Designing and implementing CI/CD pipelines via GitLab and custom infrastructure platforms using Python and Terraform.
- Enabling seamless developer onboarding and improving deployment reliability through automation.

Oracle – *Principal Software Development Engineer*
Dublin, Ireland
05/2020 – 07/2022
- Developed cloud-native platforms leveraging Terraform, Ansible, and Python to support Oracle Cloud services
- Led migration of CI/CD pipelines and Jenkins systems to Oracle Cloud Infrastructure, improving efficiency and scalability
- Managed Oracle Linux package updates, ensuring stability and security for production systems

MCAFEE, FRM. Intel Security - *Senior Software Development Engineer*
Cork, Ireland
05/2016 - Current
- Designed and built cloud-based, low-latency backend RESTful services using C++ and Python on AWS.
- Initiated and implemented a containerized CI pipeline with Docker and Jenkins, reducing deployment time and errors.
- Conducted performance testing and optimization for GCP services, including BigTable performance validation

VALEO - *Software Architect*
Tuam, Ireland
11/2014 - 05/2016

- Led software design and documentation for automotive surround view systems

SKILLS

- **Languages**: Python, C/C++, Bash
- **Cloud Platforms**: Google Cloud (GCP), Amazon AWS, Oracle Cloud Infrastructure (OCI)
- **DevOps & Tools**: Terraform, Ansible, Kubernetes, Docker, GitLab, Jenkins, Vagrant, Helm, Istio, Datadog
- **Practices**: CI/CD, Infrastructure as Code (IaC), Microservices, Scrum, DevOps
- **Certifications**: AWS Certified Developer – Associate

EDUCATION

BSc in Computer Science:
National Polytechnic University of Armenia
Yerevan, Armenia
Sep 2002 – Jun 2006
- Awarded maximum score (100/100) for diploma thesis.

Enterprise Modelling (Summer School Scholarship)
Universität Duisburg-Essen,
Jan 2011 – Aug 2011

CERTIFICATIONS

- AWS Developer Associate (2018)

RELEVANT PROJECTS

- tighov.link: Personal blog and CV holder site implemented as a static website with some serverless dynamic functionality running on AWS.
- Instigate STL: Reimplemented of C++ STL algorithms by applying Generic Programming principles.

- Performed software requirements analysis, translating complex customer needs into technical design
- Independently redesigned and optimized the rendering framework, improving visual processing performance.
- Conducted Automotive Safety Integrity Level (ASIL) analysis and Critical Path Analysis to ensure system safety.

[Energize Global Services](#) - ***Senior Embedded Software Developer***
Yerevan, Armenia
12/2013 - 11/2014

- Developed embedded solutions for leading payment terminal systems.
- Applied Test-Driven Development (TDD) methodology and functional testing using Python.

[SYNOPSYS](#) - ***Senior Corporate Application Engineer***
Yerevan, Armenia
10/2011 - 06/2014

- Built solutions for chip defect analysis using statistical and outlier detection methods
- Produced detailed functional specifications, low-level design documentation, and validation tests

[LTX-CREDENCE](#) - ***Embedded Software Developer***
Yerevan, Armenia
04/2011 - 10/2011
- Led the re-implementation of company build systems, enhancing reliability and maintainability

[INSTIGATE CJSC](#) - ***Software Engineer***
Yerevan, Armenia
09/2008 - 04/2011

- Developed high-performance applications in the Electronic Design Automation (EDA) space
- Re-implemented CUDA and OpenCL algorithms achieving up to 10x speed improvements (e.g., trading algorithms, image processing, H264 codec)