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| **Tigran Hovhannisyan** |

E: email@thetigran.com | (374) 55-909-979 | A: Yerevan, Armenia **|** LI: linkedin.com/in/thetigran/

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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](https://en.wikipedia.org/wiki/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](https://en.wikipedia.org/wiki/Valeo) - *Software Architect*  Tuam, Ireland  *11/2014 - 05/2016*   * Led software design and documentation for automotive surround view systems * 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](http://energizeglobal.com/) - *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](https://en.wikipedia.org/wiki/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](https://en.wikipedia.org/wiki/LTX) - *Embedded Software Developer* Yerevan, Armenia  *04/2011 - 10/2011*   * Led the re-implementation of company build systems, enhancing reliability and maintainability   [INSTIGATE CJSC](https://ggg.instigatedesign.com/#1) - *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) |  | **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](https://en.wikipedia.org/wiki/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)](https://www.certmetrics.com/amazon/public/badge.aspx?i=2&t=c&d=2018-10-11&ci=AWS00617355)   **RELEVANT PROJECTS**   * [tighov.link](https://tighov.link/): Personal blog and CV holder site implemented as a static website with some serverless dynamic functionality running on AWS. * [Instigate STL](http://instigate-stl.sourceforge.net/): Reimplemented of C++ STL algorithms by applying [Generic Programming](https://www.boost.org/community/generic_programming.html) principles. |  |