

TIGRAN HOVHANNISYAN

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PROFESSIONAL SUMMARY

A results-focused Senior Software Engineer experienced in designing and developing robust, efficient, reusable, and reliable code in C++ and Python. Team player with a can-do attitude, proactive, enthusiastic and great attention to detail.

WORK HISTORY

[MCAFFEE](#), FRM. Intel Security - *Senior Software Development Engineer*

Cork, Ireland

05/2016 - Current

- Developed highly scalable & available, low-latency back-end service for REST applications (C++, Python, AWS, GCP, Ansible, Kafka, HBase, Boost, asynchronous)
- Worked on various projects on GCP including Bigtable benchmarking with YCSB, Kubernetes, Memorystore for Redis, Compute Engine etc.
- Implemented advanced system to build C++ code from multiple GitHub repositories (CMake, Docker, bash)
- Implemented QA framework that automates running of test-cases (Python, Docker, bash)
- Implemented Unit and functional tests with high coverage goals (gtest, gmock, Jenkins, boost.test)
- Maintained existing applications and designed and delivered new applications

[VALEO](#) - *Software Architect*

Tuam, Ireland

11/2014 - 05/2016

- Collaborated on all stages of systems development lifecycle, from requirements gathering to production releases. (UML, Design Patterns, Rational DOORS)
- Gathered and defined customer requirements to develop clear specifications for creating well-organized project plans
- Authored use models and diagrams such as High-Level Design, Data Flow, Control Flow and Deployment Diagrams in Surround View Systems for cars
- Planned and developed shared library that simplified overall management and offered ease-of-use. (C++, SOLID, Design Patterns)
- Organized various design analysis including Critical Path Analysis to identify Automotive Safety Integrity Level of system (ASIL, MISRA)

SKILLS

- Software Engineering
- Python
- Cloud platforms GCP and AWS
- C++
- Linux and Bash scripting
- Web development
- Software Design in UML

EDUCATION

[National Polytechnic University of Armenia](#)

Yerevan, Armenia

2006

Bachelor of Science:

Computer Engineering

CERTIFICATIONS

- [AWS Developer Associate \(2018\)](#)

RELEVANT PROJECTS

- Thetigran.com: Personal blog implemented as static website running on AWS.
- [Instigate STL](#): Implementation of Instigate STL which is a version of C++ Standard Template Library modified by applying [Generic Programming](#) principles.

- Coordinated with System Engineers to evaluate and improve software and hardware interfaces

[Energize Global Services](#) - **Senior Software Engineer/Team Lead**

Yerevan, Armenia

12/2013 - 11/2014

- Implemented cryptographic solutions (e.g. 3DES) for Pos terminals (C, asynchronous)
- Implemented functional tests and added new features to existing functional test framework (Python)
- Consulted regularly with internal customers on application development project status, new project proposals and software-related technical issues
- Supervised team of 3 engineers on software development projects to provide continued maintenance and development of bug fixes and patch sets for existing platform software
- Mentored junior team members on protocols and procedures of each station to maximize contributions

[SYNOPSYS](#) - **[Senior] Software Engineer**

Yerevan, Armenia

10/2011 - 06/2014

- Developed and incorporated new features into existing data analyzing software using various statistical algorithms such as outlier detection (TCL, Python, C++)
- Improved system quality by making proactive implementation of a testing framework that validates GUI and command line operations. (TCL, Python, HTML, CSS, JS)
- Worked with external customers to understand requirements and provide exceptional customer applications based on our platform
- Discussed project progress with customers, collected feedback on different stages and directly addressed concerns

[LTX-CREDENCE](#) - **Software Engineer**

Yerevan, Armenia

04/2011 - 10/2011

- Worked closely with software development and testing team members to design and develop robust software build solutions to meet requirements for functionality, scalability and performance. (GNU Make, Perl)
- Worked with project managers, developers, quality assurance and customers to resolve technical issues

[INSTIGATE DESIGN](#) - **Software Engineer**

Yerevan, Armenia

09/2008 - 04/2011

- Researched, designed and implemented financial applications such as Worst Out Down In (WODI) for trading (C++, CUDA, OpenCL)
- Implemented image processing software applications including H264 encoder and decoder, High Dynamic Range photo editing application and more. Used GPGPU such as CUDA and OpenCL to get up to 800% performance boost (C++, CUDA, OpenCL)

