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| **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**  [MCAFEE](https://en.wikipedia.org/wiki/McAfee), 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](https://en.wikipedia.org/wiki/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) * Coordinated with System Engineers to evaluate and improve software and hardware interfaces   [Energize Global Services](http://energizeglobal.com/) - *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](https://en.wikipedia.org/wiki/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](https://en.wikipedia.org/wiki/LTX) - *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](https://ggg.instigatedesign.com/#1) - *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) |  | **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](https://en.wikipedia.org/wiki/National_Polytechnic_University_of_Armenia)  Yerevan, Armenia  2006  *Bachelor of Science*:  Computer Engineering  **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**   * Thetigran.com: Personal blog implemented as static website running on AWS. * [Instigate STL](http://instigate-stl.sourceforge.net/): Implementation of Instigate STL which is a version of C++ Standard Template Library modified by applying [Generic Programming](https://www.boost.org/community/generic_programming.html) principles. |  |