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| **Tigran Hovhannisyan** |

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|  | **Professional Summary**  Python Web Developer with 12+ years’ experience building scalable applications, APIs, and backend services in cloud-native environments. Skilled in Python frameworks (Flask, FastAPI, Django) and full-stack web development, with deep expertise in DevOps automation, CI/CD pipelines, and cloud infrastructure that ensures reliable, fast deployments.  **Professional Experience**  *Senior Infrastructure Engineer*  [Questrade Financial Group](https://en.wikipedia.org/wiki/Questrade) | Yerevan, Armenia | *12/2022 – 12/2024*   * Designed and deployed Flask-based internal APIs to automate developer workflows and resource provisioning. * Built scalable Python microservices running on GCP Kubernetes clusters with Helm and ArgoCD. * Integrated REST endpoints into CI/CD pipelines, enabling self-service deployments for internal teams.   Containerized and deployed Python web applications via Docker and Kubernetes, ensuring high availability.  ***Principal SDE (Platform Engineering)***  [Oracle](https://en.wikipedia.org/wiki/Oracle_Corporation) | Dublin, Ireland | *05/2020 – 07/2022*   * Developed FastAPI services for OCI internal platform tools, improving provisioning speed by 40%. * Refactored legacy Jenkins jobs into Python-based automation scripts for web app deployments. * Built RESTful APIs to interface with OCI SDKs, streamlining infrastructure creation and updates.   ***Senior Software Engineer / DevOps Specialist***  [MCAFEE](https://en.wikipedia.org/wiki/McAfee), FRM. Intel Security | Cork, Ireland | *05/2016 - 05/2020*   * Created Flask APIs for internal tooling to support security platform services. * Deployed web applications with CI/CD pipelines to Kubernetes using Helm and Terraform. * Implemented automated testing pipelines in Python, reducing manual QA effort by 60%.   ***Embedded Software Engineer***  [Valeo Vision Systems](https://en.wikipedia.org/wiki/Valeo) | Tuam, Ireland | *11/2014 - 05/2016*   * Built internal Python web tools for camera testing and calibration data management.   Developed C++/Python hybrid scripts for automated data analysis and dashboard visualization.  **Additional Technical Experience** *(Condensed for relevance to DevOps)*   * [Energize Global Services](http://energizeglobal.com/) - Python-based automation for testing embedded payment systems * [SYNOPSYS](https://en.wikipedia.org/wiki/Synopsys) - *Data analysis pipeline development and functional automation (Python, C++).* * [LTX-CREDENCE](https://en.wikipedia.org/wiki/LTX) - *Build system reimplementation (GNU Make, Perl).* * [INSTIGATE CJSC](https://ggg.instigatedesign.com/#1) - *GPU-accelerated algorithm development (CUDA, OpenCL) — foundation in high-performance systems engineering.* |  | **Core Skills**  **Lanpguages & Frameworks:** Python, Flask, FastAPI, Django, SQL, JavaScript, C++  **Web & API Development:** REST APIs, JSON, HTTP, CRUD, ORM (SQLAlchemy, Django ORM), Jinja2  **Databases:** PostgreSQL, MySQL, SQLite, Redis, MongoDB  **Cloud & Deployment:** AWS, GCP, OCI, Docker, Kubernetes, Terraform, Ansible  **DevOps & CI/CD:** GitLab CI, Jenkins, GitHub Actions, Helm, ArgoCD  **Testing & Monitoring:** Unit testing (pytest), TDD, Datadog, Prometheus, Istio  **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**  **1. Developer Portal Platform**   * Flask-based internal web app for provisioning GCP resources on-demand. * Integrated OAuth2 authentication, role-based access control, and deployment automation via ArgoCD.   **2. Serverless Blog & Portfolio (tighov.link)**   * AWS Lambda + API Gateway + S3 static hosting. * Python backend for content rendering, Markdown parsing, and API endpoints.   **3. Serverless Blog & Portfolio (tighov.link)**   * FastAPI service that exposed standardized endpoints for Terraform/Ansible automation. * Used PostgreSQL for state tracking and Redis for task queueing.   **Additional Information**  **Languages:** Armenian (native), English (fluent), Russian (fluent)  **Location:** Armenia (Open to relocation or remote) |  |