

TIGRAN HOVHANNISYAN

✉ email@thetigran.com | ☎ (374) 55-909-979 | 📍 Armenia (Remote) | 💼 <https://linkedin.com/in/thetigran> | 🌐 <https://github.com/tighov> | 🌐 <https://tighov.link>

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](#) | 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](#) | 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, 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](#) | Tuam, Ireland | 11/2014 – 05/2016

- Built internal Python web tools for camera testing and calibration data management.

CORE SKILLS

Languages & 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](#)

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

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.

Developed C++/Python hybrid scripts for automated data analysis and dashboard visualization.

Additional Technical Experience

(Condensed for relevance to DevOps)

- [Energize Global Services](#) - Python-based automation for testing embedded payment systems
 - [SYNOPSISYS](#) - Data analysis pipeline development and functional automation (Python, C++).
 - [LTX-CREDENCE](#) - Build system reimplementations (GNU Make, Perl).
 - [INSTIGATE CJSC](#) - GPU-accelerated algorithm development (CUDA, OpenCL) — foundation in high-performance systems engineering.
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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)