

KIARASH BASHOKIAN

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Personal Summary

Backend Developer | Scalable & Secure Web Solutions

Innovative Backend Developer with a strong foundation in **IT infrastructure and network systems**, bringing a unique blend of **software engineering** and **systems administration** expertise. Skilled at designing and deploying **scalable, high-performance applications** using both **monolithic** and **hybrid architectures**.

Proficient in **Python, JavaScript, and C++**, with hands-on experience in frameworks such as **Django, FastAPI, and Flask** to deliver secure, efficient, and maintainable solutions. Experienced in building **SSR/SPA applications**, managing **SQL and NoSQL databases** (PostgreSQL, MySQL, MongoDB, Redis), and implementing **CI/CD pipelines** to accelerate deployment.

Strong background in **Linux systems administration and network infrastructure management**, enabling optimization of deployment environments, automation, and system security. Recognized for **problem-solving, performance tuning, and continuous learning**, with a focus on driving innovation in backend and full-stack development.

Skills

Backend & APIs:

Python, JavaScript/TypeScript, Java, C/C++, Django, Django REST Framework (DRF), FastAPI, Flask, Celery, REST APIs

Databases & Caching:

PostgreSQL, MySQL, SQLite, Oracle Database, MongoDB, Redis, Memcached, Django ORM

Frontend & UI:

React.js, HTML5, CSS3, Tailwind CSS, WebKit

DevOps, Tools & Testing:

Git, Docker, pytest, unittest, Postman API, VirtualBox, VMware, Nginx, Apache, cPanel, Mail Servers

Systems & Infrastructure:

Linux Administration (Ubuntu, Arch Linux, Debian), Linux Server Management, Bash, Nginx, Apache, System Optimization

Networking & IT:

Network Infrastructure Management, CCNA, Network+, Cisco DNA Center, Firewall Administration, vCenter, Server Virtualization

Experience

Programmer Assistant | York University – UIT LTS Team | 08/2025 – Present

- Developing **AI-driven backend systems** using **Python, TypeScript, FastAPI**, and frameworks such as **CRIA** and **RAGFlow**.
- Collaborating with the Learning Technology Services team to integrate **machine learning workflows** into university applications.
- Supporting the design of scalable, secure backend services to improve data processing and automation.

Network Service Assistant | York University – UIT Network Team | 05/2025 – 08/2025

- Contributed to automation initiatives by writing **backend scripts** to extract and process data from **Cisco DNA Center (DNAC)**.
- Assisted in **server room surveys** and infrastructure optimization projects, improving system documentation and monitoring.
- Supported the deployment and management of Cisco-based systems, gaining hands-on experience with **enterprise network automation**.

Web Developer | Gh Light – Tehran, Iran | 03/2024 – 05/2024

- Built and optimized a full-stack website (backend, frontend, database, SEO) within a **2-month timeline**.
- Improved **system performance** and user experience through code optimization and efficient database design.

IT Expert | Arya Heavy Machinery – Tehran, Iran | 11/2023 – 02/2024

- Delivered **enterprise IT support** across servers, firewalls, and network infrastructure for 200+ employees.

- Installed, configured, and maintained **HP servers, vCenter, Cisco devices**, and firewall solutions.
- Implemented **network monitoring** and troubleshooting, supporting critical systems such as **SAP (Hamkaran System)**.

Qt Developer Trainee | Tehran, Iran | 09/2022 – 12/2022

- Enhanced **C++ OOP** and **memory management** skills while developing applications with the **Qt framework**.
- Designed and tested GUI components, gaining practical experience in **software development lifecycles**.

Projects

AI Platform – GitHub: <https://github.com/Ghosts6/ai-platform>

- Designed and deployed a scalable backend platform integrating AI services using FastAPI and Docker.
- Implemented secure and modular API endpoints for seamless interaction with multiple AI workflows.

Client Count System – GitHub: https://github.com/Ghosts6/client_count

- Built a real-time client tracking tool leveraging Cisco DNA Center APIs for data extraction and reporting.
- Automated client monitoring processes, improving IT team visibility and operational efficiency.

Websites, Portfolios, Profiles

LinkedIn – <https://www.linkedin.com/in/kiarashbashokian/>

Portfolio Website – <http://www.kiarashbashokian.com>

GitHub – <https://github.com/Ghosts6>

Education

- York University – Toronto, Ontario, Canada Bachelor of Computer Science: Software (Expected 02/2025)

Languages

- English – Professional Proficiency
- Persian – Professional Proficiency

