

# Ali Pourrahim

Backend & Cloud Engineer | Distributed Systems Specialist  
Alipourrahim.ap@gmail.com +358 46 543 2717 Vidnäsinkatu 2, 67100 Kokkola  
[linkedin.com/in/ali-pourrahim](https://linkedin.com/in/ali-pourrahim) [github.com/Alipou](https://github.com/Alipou)

## Profile

Backend developer with a strong interest in distributed systems, cloud architecture, and scalable API design. Experienced with Python frameworks, web application development, and data-oriented system design. Curious about complex systems and interdisciplinary approaches connecting computer science, artificial intelligence, and cognitive sciences.

## Skills

Languages: Python, Go, Node.js, JavaScript

Git, GitHub, Agile

Web: Node.js, JavaScript

Databases: PostgreSQL, Prisma ORM

Backend Frameworks: FastAPI, Django

Cloud & DevOps: Docker, Kubernetes, GitHub Actions, CI/CD

## Employment

### Kpedu

Software Developer

Oct 2025 – Dec 2025

Kokkola, Finland

- Developed the **Reading Diploma (Lukudiplomi)** web application used by 2000+ students
- Database modeling with Prisma, Node.js backend
- Python + Blender automation to generate 150 3D-printable objects, reducing production time by 70%
- Technical documentation for future teams, improving application maintainability

### Peero AB

Full-Stack Developer

Jul 2025 – Aug 2025

Kokkola, Finland

- Delivered bug fixes and UI improvements for a meal ordering system handling **~100–150 meals/day**
- Automated admin workflows (Excel upload, PDF label printing) to reduce manual operational tasks
- Implemented role-based access control and multilingual support; maintained full-stack features using Python/FastAPI and PostgreSQL

### TechNova

Backend Developer (Internship)

Jan 2025 – May 2025

Warsaw, Poland

- Designed and deployed **3 FastAPI microservices** for user data processing, reducing latency by 40%
- Implemented **automated testing and CI/CD**, covering 95% of the codebase
- Optimized PostgreSQL queries, improving read speed by 2x
- Participated in **code reviews** and mentored 2 interns

### Sales Associate — Prisma

- High-volume customer service, developing communication and problem-solving skills

## Education

Centria University of Applied Sciences

Bachelor of Information Technology

Sep 2024 – Mar 2026 (expected)

Kokkola, Finland

## Key Projects

**PipelineGuard** – Infrastructure monitoring & pipeline security, processing 1,000+ events

<https://github.com/Alipou/PipelineGuard>

**QFL — Quantum Federated Learning** – Distributed architecture experimentation, latency & scalability benchmarks <https://github.com/Aliipou/qfl>

**HAIP** – Intelligent predictive analysis, 25% reduction in processing time <https://github.com/Aliipou/HAIP>

**Culture Identifier** – Cultural pattern recognition, 92% accuracy <https://github.com/Aliipou/culture-identifier>

**Multi-Tenancy Kubernetes Thesis** – Multi-tenant architecture with isolation & performance benchmarks <https://github.com/Aliipou/multi-tenancy-kubernetes/>

---

## Languages

---

English (fluent) | Azerbaijani (fluent) | Turkish (fluent) | Finnish (advanced) | Swedish (intermediate)  
| French (learning)

---

## Community Involvement

---

- UNICEF: Education and solidarity awareness campaigns
  - Elderly care center: Regular volunteering
  - Villa Elba: Community projects and mentoring
- 

## Notable Academic Achievements

---

- Completed 118 ECTS credits in a single semester while managing technical projects and professional commitments
- Maintained a high GPA despite an exceptional academic workload