Abrar Ahmed

abrarahmedpei@gmail.com | Quetta, Pakistan | +923422166146

LinkedIn: Abrar Ahmed |**GitHub:** Abrar Ahmed |**HackerRank:** Abrar Ahmed |**Credly:** Abrar Ahmed |**Website:** Abrar Ahmed

EDUCATION

BSc Computer Science | Eötvös Loránd University | Budapest (Hungary)   Sep 2021 – Jan 2025

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Concurrent Programming, Software Engineering, Software Testing, Databases, Operating Systems, Cloud Computing and DevOps, Distributed Systems, Cybersecurity and Network Protocols

EXPERIENCE

Ericsson

Student Software Developer   Aug 2023 – Oct 2024

- Developed backend applications using Java, adhering to best practices for performance and maintainability.
- Built microservices and RESTful APIs with Spring Boot, enabling modular and scalable architectures.
- Created interactive frontend experiences using JavaScript and Angular, enhancing usability and responsiveness.
- Developed and optimized cloud-based DevOps pipelines and infrastructure in collaboration with cloud architects.
- Automated cloud deployments using Jenkins, and Spinnaker CI/CD pipelines, ensuring speed and reliability.
- Streamlined DevOps workflows with Python and Bash scripting, improving operational efficiency.
- Utilized Docker and Kubernetes for containerization and orchestration, enhancing cloud scalability and efficiency.
- Monitored and optimized cloud performance using Prometheus and Grafana.

Eötvös Loránd University
Teaching Assistant   Feb 2025 – May 2025

- Supported students in Python, Operating Systems, and Algorithms & Data Structures, helping with concepts and debugging.
- Conducted tutorials, reviewed assignments, facilitated discussions, and consistently assisted instructors with course delivery.
- Collaborated with faculty to design lab exercises and practice problems tailored to course objectives and student needs.
- Provided one-on-one mentorship during office hours to reinforce learning outcomes and improve academic performance.

PROJECTS

FinovaBank | Tools: Java (Spring Boot), Node.js, Python, React (TypeScript), React Native, Docker/Kubernetes, Kafka

- Digital banking suite for accounts, payments, loans, and cards with AI personalization and blockchain-backed ledger.
- Event-driven Spring Boot/Kotlin microservices with Node.js gateway and React / React Native UIs on Docker/Kubernetes.

PayNext | Tools: Java (Spring Boot, Spring Cloud), React (TypeScript), React Native, RabbitMQ, Docker/Kubernetes

- Multi-method, multi-currency payments platform with subscriptions, fraud detection, and PCI-DSS compliance.
- Spring Cloud microservices with Eureka, Gateway, Config, Redis, Kafka/RabbitMQ, and React on Docker/Kubernetes.

Flowlet | Tools: Python, Flask, React, PostgreSQL, Kubernetes, Terraform

- Cloud-agnostic, microservices-based embedded finance platform supporting digital wallets, payment processing, and card issuance.
- Built KYC/AML compliance, ledger management, and AI-driven fraud detection pipelines for real-time risk scoring.

NexaFi | Tools: Python (FastAPI), Node.js (NestJS), Go, React, PostgreSQL, Kafka, Kubernetes, Terraform

- AI-powered financial OS for SMBs unifying accounting, payments, and advisory in an event-driven microservices architecture.
- Integrated advanced ML workflows and distributed-ledger modules for seamless data integrity and automated decisioning.

QuantumAlpha | Tools: Python, C++, PyTorch, TensorFlow, Apache Kafka, Docker, Kubernetes, React, TypeScript

- AI-driven hedge-fund engine leveraging machine and reinforcement learning on multi-source market data for strategy backtesting.
- Orchestrated real-time trade execution and risk management services behind a scalable microservices dashboard.

CERTIFICATIONS

- SQL (Advanced) - HackerRank   Nov 13, 2024
- Software Engineer - HackerRank   Nov 19, 2024
- DevOps in Google Cloud – Google   Jan 09, 2025
- Terraform in Google Cloud – Google   Jan 08, 2025
- Kubernetes in Google Cloud – Google   Jan 10, 2025
- AWS Well-Architected Proficient – AWS   Jan 02, 2025

SKILLS

Programming Languages: Java, Python, C#, JavaScript, TypeScript **Agile Methodologies:** Jira, Confluence

Frameworks: Spring Boot 3, JUnit 5, Mockito, Angular, React, .NET   **Databases:** Oracle, MySQL, PostgreSQL

DevOps & Cloud Infrastructure: AWS, GCP, IBM Cloud, Terraform, Ansible, Docker, Kubernetes, OpenShift, Grafana, Prometheus

CI/CD Pipelines: Jenkins, GitHub Actions, Spinnaker   **Scripting & Automation:** Python, Bash, Shell Scripting, Automation Tools

Testing: Unit Testing, Integration Testing, Test-Driven Development   **API Testing:** Postman   **Version Control:** Git, GitHub, Gerrit