Abrar Ahmed

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

EDUCATION

BSc Computer Science | Eötvös Loránd University   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

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

PayNext | Tools: Java, Spring Boot, JavaScript, React, Docker, K8S, PostgreSQL, GitHub Actions, Terraform, Ansible, AWS

- Developed a FinTech payment processing application to enhance transaction efficiency and scalability.
- Built the back end with Java Spring Boot, implementing REST APIs for secure payment processing and data management.
- Utilized microservices architecture for modularity and scalability, enabling independent service updates.
- Employed Docker for containerization and Kubernetes for orchestration, ensuring consistent environments and scalability.
- Integrated PostgreSQL to manage user data, transaction records, and payment history with efficient data retrieval.
- Automated CI/CD pipelines with GitHub Actions, Terraform, Ansible, and AWS, enhancing deployment and reliability.
- Developed front-end interfaces with React JavaScript, improving user experience and interface responsiveness.

FinovaBank | Tools: Java, Spring Boot, Docker, K8S, React.js, PostgreSQL, MongoDB, Jenkins, Prometheus, OAuth2

- Utilized Docker and Kubernetes for containerization and orchestration, enabling cloud scalability and reliable deployments.
- Built secure REST APIs with Java Spring Boot to handle account management, transactions, and compliance processes.
- Designed a responsive frontend using React.js, providing an intuitive, user-friendly digital banking experience.
- Integrated PostgreSQL and MongoDB for efficient data handling, supporting real-time transaction logging and compliance.
- Employed RabbitMQ for asynchronous communication and Prometheus/Grafana for real-time monitoring and observability.
- Streamlined CI/CD pipelines with Jenkins, enhancing development efficiency and ensuring continuous deployment reliability.

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