

# MAHAD AAMIR

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## EXPERIENCE

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### Senior Software Engineer (Backend)

August 2023 - Current

Klarna (Card and Banking Domain)

*Berlin, Germany*

- Led setup for a high-performance banking decisioning variables service, handling 2K+ requests per second with an SLA adherence under 300 ms.
- Designed a data transformation pipeline for deposit data, supporting regulatory reporting with 10M+ records spanning 6 years.
- Setup CDC pipeline for 10K+ daily transactions from decisioning space to be ingested by reporting flows.

### Software Engineer (Backend)

September 2022 - July 2023

Ostrom (Seed)

*Berlin, Germany*

- Led design and implementation of algorithm for smart EV charging, a flagship feature crucial for securing Series-A funding of 9M+ USD.
- Established a Data Science service to expedite data migrations, resulting in a 20% acceleration in development of Tableau dashboards and Data Science processes.
- Optimized test pipeline through sharding, caching, and parallelization, reducing runtime from 13 to 8 mins.
- Implemented pricing engine for customized tariffs based on consumption from smart meters and real-time electricity spot prices, positioned as the primary USP.

### Software Engineer (Backend)

January 2022 - August 2022

Retailo (Series-A)

*Islamabad, Pakistan*

- Migrated 5+ monolithic modules to microservices, resulting in a 25% improvement in API response time.
- Overhauled core infrastructure services, including authentication and configuration, enhancing performance for a user base of 50K+.
- Standardized logging and in-house API documentation, implemented monitoring suites, reducing cloud costs by over 15%.
- Designed and executed a custom architecture for distributed transactions across microservices, reducing data inconsistencies during failures by 80%.

### Application Developer (DBMS, AWS & Azure)

April 2020 - January 2022

IBM

*Islamabad, Pakistan*

- Oversaw day-to-day digital marketing campaigns of Vodafone Qatar for 2M+ daily active users.
- Developed targeted marketing strategies, boosting ARPU and reducing churn rates by over 30%.
- Led the successful launch of 100+ multi-channel marketing campaigns including SMS, notifications, and email.
- Collaborated with the client to align business objectives and streamline development workflows, resulting in campaign runs generating 10K+ USD per week.

## EDUCATION

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Bachelors of Science in Computer Science, COMSATS University

September 2015 - July 2019

## SKILLS

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### Technical Skills

JavaScript, TypeScript, Node.JS, Nest.JS, Python, SQL, NoSQL, Microservices, DSA, Git, Jira, Agile, TDD, Jest, Sentry, Datadog, Jenkins, Github Actions, CI/CD, System Design, EC2, ECR, ECS, Lambda, S3, SNS, SES, SQS, Lambda, CDK, RDS, Athena, Glue

### Certifications

AWS Certified Cloud Practitioner (CLF-C01), Azure Fundamentals (AZ-900)