

AMIZ AZAD

SOFTWARE ENGINEER



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Navi Mumbai, India

SUMMARY

Software Engineer with 6 years of experience in designing and developing applications, reviewing program functionality, establishing system improvements, testing for bugs, providing quality assurance according to business specifications and application standards and effectively communicating the project status. Experienced in AdTech, Banking, Financial Services, Insurance and Telecom domains.

SKILLS

- Java 8 / Core Java / J2EE
- Scala
- Apache Storm
- Apache Kafka
- Spring MVC
- Spring Boot
- Microservices
- Aerospike
- Oracle SQL
- Couchbase DB
- Hibernate
- Data Structures
- Design Patterns
- RESTful API
- Linux server
- Maven
- Docker
- Kubernetes / K9s
- Cucumber framework
- Jenkins
- Amazon Web Services (AWS)
- GitHub / BitBucket

EXPERIENCE

SOFTWARE ENGINEER

Adform

June 2024 - Present

- Developing and maintaining large-scale distributed data processing pipelines in Scala using Apache Storm and Kafka, as part of the User Profile Team within Adform's Big Data Platform, enabling real-time user profile creation and updates in Aerospike.
- Collaborated in four successful production releases including one major release of refactoring and optimization of monolithic Profile Builders repository, resulting in a 30% CPU and 25% memory reduction, while ensuring storm topology correctness and eliminating redundant components across 14 Storm-based services.
- Led full lifecycle delivery — from requirement analysis with product managers and domain architects, through solution design, implementation, testing (unit and end-to-end via Cucumber), deployment and post-production monitoring.
- Ensured system reliability and performance under a 30-minute SLA by performing on-duty production support — diagnosing live issues, applying interim fixes, scaling Storm topologies dynamically (vertically and horizontally) and ensuring system stability.
- Contributed to cross-language Aerospike client library development (Scala, Java) used organization-wide, improving consistency and reducing maintenance overhead across multiple teams interacting with the database layer.

EXPERIENCE

SOFTWARE ENGINEER

Mobileum

Aug 2022 - June 2024

- Steering of Roaming Application Function (SoRAF): Lead the project's design & development for creating a standalone application for 5G Steering using Core Java, Microservices, Couchbase DB, Oracle DB and Linux server. Received the **Team Star Award** for this project's Phase 2 (2022).
- NTRSaver Application: Single handedly led the design and development of 5G technology framework on top of existing application components, emphasizing code reusability and scalability.
- Spearheaded the development of XML/JSON-based Class of Service (CoS) APIs. Implemented these APIs within the existing architecture, leveraging a microservices approach. Thus, contributed to the evolution of the existing architecture by introducing CoS APIs, potentially improving the system's flexibility, scalability, and overall functionality.
- Led the resolutions for critical production issues, including a memory leak, ensuring optimal application performance and stability.
- Proactively delivered high-quality, fully documented features within tight deadlines, validated by comprehensive unit testing.

SENIOR SOFTWARE ENGINEER

Allianz Technology

Apr 2022 - Aug 2022

- Actively involved in the development of ABS (Allianz Business System), a comprehensive all-class insurance management system, facilitating efficient handling of both life and non-life insurance operations.
- Contributed to the development of RESTful services within the Core Insurance Service Layer (CISL).
- Proficiently utilized Eclipse (for plugin development), Postman, Jira, Confluence, and IBM DB2 as integral tools throughout project execution.
- Diligently monitored system performance, proactively identifying and assessing opportunities for enhancement.
- Offered valuable technical mentorship to junior developers, aiding them in effective code debugging and problem-solving.

SOFTWARE DEVELOPER

Tata Consultancy Services

Jan 2020 - Apr 2022

- Spearheaded end-to-end backend development for the seamless implementation of the "Change Mobile Number" feature. This entailed interfacing with UIDAI and NPCI services to facilitate E-KYC OTP generation and user validation.
- Orchestrated comprehensive backend development for critical functionalities including "Senior Citizen Consent," "Purchase Forex/Gift Card," and "Favorites." This encompassed integrating REST and SOAP webservices, Oracle SQL, leveraging the xstream library for XML/PDF generation, and employing custom frameworks for OTP generation, caching, and robust log capture.
- Managed end-to-end application deployments through IBM WebSphere, overseeing both SIT and UAT environments. Assiduously monitored server and API logs using WinSCP/Putty to ensure effective debugging and meticulous auditing of the application.
- Played a pivotal role in effectively addressing security-related defects, spanning both functional and technical aspects. Championed quality assurance aligned with business specifications and Agile standards, ensuring transparent delivery of requirements sourced from JIRA.
- Contributed to the frontend development of the CIBC (Canadian Imperial Bank of Commerce) Web Portal, enhancing responsiveness and accessibility of their web pages.

EDUCATION

BACHELOR'S IN ELECTRICAL ENGINEERING

University of Mumbai - 2018

CGPA: 8.35/10

DIPLOMA IN ELECTRICAL ENGINEERING

Veermata Jijabai Technological Institute - 2015

CGPA: 80.15%

ACADEMIC PROJECTS

- Speed Control of Induction motor using Step-up Cyclo-converter, 06/2017, 05/2018
- MOSFET Inverter using Timer 555, 01/2015, 05/2015
- H-Bridge Motor Speed Controller, 06/2014, 12/2014

ACHIEVEMENTS

- Mobileum Team Star award for exemplary contribution in Q4 2022.
- Fresco Play Award, TCS Internal - Awarded to associates for completing certain learning milestones.

CERTIFICATIONS

- Java 8 Essential Training, 10/2023 - Present,
<https://www.linkedin.com/learning/certificates/6280681f57ac0bbbf9502707a10f9c4934bfb539c62b53ae756b88ae8fe3078b>
- SQL Essential Training, 07/2022 - Present,
https://www.linkedin.com/learning/certificates/c48c496d0202be99e78f38a7d460fcb2588eb5d515d5f3e220dbae590ac198fd?trk=share_certificate
- Spring: Spring MVC, 06/2022 - Present,
<https://www.linkedin.com/learning/certificates/ee18098693c776dd7fb9bdaf0bdad1d7c780acf355be0eb5a99b7d1e1c1f847>
- Designing RESTful APIs, 06/2022 - Present,
<https://www.linkedin.com/learning/certificates/13b8438a21484e0a5456043327a3ce02742478bf9849c350dfffa3bda7ff6032b>
- DevOps with AWS, 05/2022 - Present,
<https://www.linkedin.com/learning/certificates/133e7af881d89e8b13bf4bb62983980e22786dde27cae124813d55cc587b9d8e>
- 2020 Complete Python Bootcamp: From Zero to Hero in Python, 09/2020 - Present,
<https://www.udemy.com/certificate/UC-1606fa2b-5108-4081-a7e1f24c02e06161/>

VOLUNTEER EXPERIENCE

- Electrical Engineering Students' Association (06/2016 - 05/2017) Committee Coordinator for Industrial Visit and Training & Placement
- Technovanza (VJTI) E-cell (06/2014 - 05/2015) Committee Coordinator