

Firoz Alam

Email: firozalam.786123@gmail.com

Mobile: +91-790-3433-506

LinkedIn: firoz-alam-8b9034b1

Github: github.com/firoz786

Portfolio: firoz-portfolio-live

EDUCATION

- **SRM Institute of Science & Technology** Chennai, India
Bachelor of Technology - Computer Science and Engineering (CSE); GPA: 8.8 *June 2012 - May 2016*
Courses: Programming Language, Operating Systems, AWS cloud, Data Structures & Algorithms, Networking, Databases

SKILLS SUMMARY

- **Languages:** JAVA, Python, JavaScript, SQL, SSH, HTML, CSS
- **Cloud:** AWS (SAA-C03 Certified)
- **Frameworks:** Spring boot, React
- **Tools:** Docker, GIT, SQL, MySQL
- **Platforms:** AWS, Linux, Web, Windows
- **Soft Skills:** Team Lead, Problem Solver, Public Speaking, Time Management

EXPERIENCE

- **PTG** Hyderabad - In-Person
Senior Software Developer (Full-time) *July 2022 - Present*
 - **CogniEN Project:** - Designed and implemented an automated workflow using AWS Step Functions to process large-scale data files uploaded to S3.
 - Developed serverless Lambda functions to extract, transform, and load (ETL) data into DynamoDB while leveraging SNS and SQS for messaging.
 - Integrated CloudTrail and CloudWatch for API monitoring, logging, and debugging to enhance system reliability.
 - **Technologies Used:** - AWS (S3, EC2, SNS, SQS, SES, Step Functions, Lambda, DynamoDB, Timestream, IAM, CloudTrail, CloudWatch, Control Tower, AppStream, AppBlock, Code Signer, VPC and more), Python, Java.
- **Amdocs** Pune - In-Person
Software Developer (Full-time) *June 2021 - July 2022*
 - **3UK Project - Three (UK) Mobile Telecommunications:** - Led the backend development of enterprise solutions, including order management, revenue tracking, and production workflow tools.
 - Designed and optimized RESTful APIs using Java and Spring Boot to improve system performance and scalability.
 - performed high-level design (HLD) reviews, ensuring compliance of API with business requirements.
 - **Key Responsibilities:** - Implemented end-to-end debugging and optimization strategies to enhance application efficiency.
 - Managed production deployments, performed unit testing for APIs, and supported regression, shakeout, and UAT testing.
 - **Technologies Used:** - Java 1.8, Spring Boot, Microservices, REST API, Maven, Oracle SQL, Jenkins, Perforce.
- **Cognizant** Kolkata - In-Person
Associate (Full-time) *June 2016 - June 2021*
 - **Enterprise Producer Application (EPI) - MetLife:** - Contributed to the development and maintenance of MetLife's Enterprise Producer Application (EPI), a centralized repository for managing producers and franchise information.
 - Designed and maintained APIs for seamless integration between EPI and various upstream/downstream systems.
 - **Key Responsibilities:** - Developed and optimized backend services to manage agents' demographic and organizational data.
 - Implemented automation solutions for monitoring, deployment, and job scheduling, improving operational efficiency.
 - **Tools & Technologies:**
 - * **Tools:** IBM Data Studio, AppDynamics (monitoring), ServiceNow (ticketing), UrbanCode (CI/CD), IBM Workload Scheduler (job management), WS FTP (secure file transfer).
 - * **Technical Skills:** Java, JSP, Hibernate, DB2, SQL, PL/SQL, HTML5, CSS3, JavaScript.

PROJECTS

- **Facebook Clone - Social Media Platform (Full-Stack Development, UI/UX, API Development):** (Completed) A full-stack social media platform inspired by Facebook, featuring user authentication, real-time chat, news feed, and profile management. Built for scalability and an interactive user experience.
- **Tools & Technologies:** Java(Spring Boot), React.js, JavaScript, Node.js, Firebase, PostgreSQL/MySQL, WebSockets

PUBLICATIONS

- **Book: AN APPROACH TO CONTENT-BASED IMAGE RETRIEVAL SYSTEM:** This paper presents an efficient Content-Based Image Retrieval (CBIR) system using Block Truncation Coding (BTC) techniques, leveraging Color Co-occurrence Features (CCF) and Bit Pattern Features (BPF) for indexing and retrieval. A modified Integrated Region Matching (IRM) method improves accuracy while reducing computational complexity. (April 2016)