

SHARAAF NAZEER

TECHNICAL LEAD / LEAD ENGINEER

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SUMMARY

Experienced Software Engineer having around 9 years of expertise in full-stack development, enterprise software engineering, and cross-functional team leadership. Successfully delivered scalable and secure solutions across diverse domains, including fintech, e-commerce, content management & publishing, banking, telecom, and enterprise systems.

Led projects across Asia, Europe, and North America, collaborating with globally distributed teams in dynamic, multicultural environments. Passionate about building high-quality systems, AI applications, mentoring engineers, and aligning technology delivery with business goals.

TECHNICAL SKILLS

- **Languages & Frameworks:** Java, Spring, Spring Boot, NodeJs, GoLang, Python, JavaScript, TypeScript, Angular, ReactJs, NestJs, NextJs, Redux, ReactNative
- **Databases:** MSSQL, MySQL, Postgress, MongoDB, Firebase, Pinecone Vector DB
- **DevOps & Tools:** AWS, GCP, Kubernetes, Docker, GitLab CI, Jenkins, ArgoCD, Helm, Terraform, RunDeck, Liquibase, HashiCorp Vault, Control-M, CFTs, SonarQube, Checkmarx
- **Architecture & Design:** Clean Architecture, Microservices, API Design
- **Integration & API Technologies:** RESTful APIs, gRPC, GraphQL
- **Messaging & Event Streaming:** Kafka, IBM MQ
- **Observability & Monitoring:** Logs, Prometheus, Grafana, AWS CloudWatch
- **AI/LLM & Innovation:** LangChain, OpenAI, GenAI, MCPs, Dialogflow, AI Integrations
- **Tools & Collaboration:** Git, GitHub, GitLab, JIRA, Confluence, Slack, Teams
- **Methodologies & Practices:** Agile, Scrum, CI/CD, TDD, DevSecOps

PROFESSIONAL EXPERIENCE

Lead Software Engineer

Dec 2025 - Present

TI&M Singapore

Project: CLM - CRM

Client: Bank Julius Baer

- Client Relationship Management (CRM) platform supporting client onboarding and lifecycle management for Asia operations. The system streamlines KYC, regulatory compliance, and client data management across multiple jurisdictions.

Responsibilities:

- Designed and implemented backend services using Java and Spring Boot to support onboarding workflows and business validations
- Developed and maintained RESTful APIs for client data management, onboarding processes, and system integrations
- Built and enhanced frontend components to support internal operational users
- Participated in modernization of legacy modules, improving performance and maintainability
- Collaborated closely with business analysts, QA, and cross-functional teams to deliver features aligned with regulatory requirements
- Ensured code quality through unit testing, code reviews, and adherence to best practices

Technical Lead/ Lead Software Engineer - KYC Team

Sep 2023 - Dec 2025

Credit Agricole CIB Singapore

- Lead the development and design efforts of the KYC team.
- Designed and implemented multiple modules using Java, Spring, and Hibernate aligned with evolving business requirements.
- Developed extraction batches using Spring boot, and Spring batches.
- Lead the design and implementation of migration of the SSIS to Spring Batch.
- Migrated the Legacy CI pipelines to use brand new GitLab CI pipelines.
- Developed containerized REST APIs deployed on Kubernetes, consumed by multiple applications.
- Collaborated with cross-functional teams to ensure smooth data migration with minimal system downtime.
- Did POCs to introduce AI capabilities in the KYC flow of any customer.
- Oversaw deployment processes and managed release strategies and activities.
- Participated in the study of On-prem to cloud migration using Google Cloud Platform.
- Developed consumer and producer applications which consumes and produce Kafka messages to other downstream and upstream systems.
- Participate in the release management process and release activities along with other teams.
- Took ownership of technical solution design and implementation.
- Conducted code reviews and authored design documentation in alignment with the software development lifecycle (SDLC).
- Define and enforce coding standards, best practices, and development workflows across the team.
- Mentor junior and mid-level developers to enhance their skills and support career growth.

Associate Technical Lead

May 2022 - Aug 2023

ConceptVines | Verdentra

Project: CHUB - Multi Custodian

Client: Inveniam USA

- A generic interface to communicate with multiple custodians and clients which supports Anchorage Digital (<https://www.anchorage.com>) as a custodian and OPM (<https://www.oasispromarkets.com>) as a client

Responsibilities:

- Served as Technical Lead, overseeing the design and implementation of the CHUB platform.
- Refactored microservices to align with best practices and improve code quality.
- Built deployment pipelines using AWS CodePipeline.
- Provisioned infrastructure with AWS CloudFormation, including VPCs, DNS, Route 53, Lambda Functions, DynamoDB, and related services.
- Participated in sprint grooming and planning sessions to onboard and estimate new tasks for upcoming sprints.
- Developed and deployed user services using Node.js and Express, including AWS Cognito integration.
- Coordinated with team members to deliver cloud-native and serverless solutions.
- Performed code reviews, prepared design documentation, and participated in SDLC activities.

Project: Cowrie

Client: Cowrie SA

- Cowrie is the single, secure point of truth for all your data, which also includes AI chatbots and Agents. Cowrie combines tradition with modern technology to revolutionise how information is stored and shared.

Responsibilities:

- Served as Technical Lead, directing and guiding the team in developing scalable backend systems and reusable frontend components.
- Led the technical design and implementation of microservices using Java, Spring Boot, and GoLang.

- Created AWS CloudFormation templates to provision infrastructure, including VPCs, DNS, Load Balancers, EC2, RDS, SNS, SES, and ECS Fargate.
- Integrated Keycloak with the user service to enable authentication and authorization.
- Built CI/CD pipelines using AWS CodePipeline.
- Developed a Generative AI-based chatbot and intelligent AI agent, customized to meet specific customer requirements, using Python and Flask microservices.
- Integrated OpenAI, LangChain, and Pinecone Vector Database to enable chatbot and AI agent capabilities.
- Designed and implemented reusable front-end components for multiple modules using React, Redux, and related tools.
- Converted Figma designs from UI/UX engineers into responsive and reusable UI components.
- Designed and integrated social media channels (WhatsApp, Messenger, Web) for chatbots and AI agents.
- Participated in sprint grooming and planning sessions to onboard and estimate tasks for upcoming sprints.
- Conducted code reviews, prepared design documentation, and engaged in SDLC activities.
- Delivered tech talks and facilitated knowledge-sharing sessions for engineering teams.

Associate Technical Lead

Dec 2021 - May 2022

Axiata Digital Labs (PVT) LTD

Project: Chat Bot

Client: Axiata Group

- The Chatbot is a CX application that is built for Axiata Clients such as Celcom, Dialog Axiata, and Ncell. It includes customer-specific Google Assistant and a few others to help reach out to customers at the time of Covid- 19.

Responsibilities:

- Worked as a Associate technical lead with solution architects to design and implement a chatbot solution.
- Developed backend modules for the chatbot using Java, Spring Boot and GoLang.
- Designed and integrated Dialogflow prompts and responses with the chatbot backend.
- Integrated the Zendesk platform to facilitate seamless customer-agent interactions.
- Designed and integrated the Yellow Messenger platform with the chatbot backend.
- Monitored and maintained chatbot platform data, delivering timely support and solutions.
- Participated in deploying modules using Kubernetes on Google Cloud Platform (GCP).
- Developed and executed BigQuery data extractions to support dashboards and audit requirements.
- Mentored junior developers, promoting best practices in code quality and reusability.
- Code reviews, design documentation, and SDLC-related activities

Senior Software Engineer - Full Stack

Aug 2019 - Dec 2021

Just In Time Technologies (PVT) LTD

Project: Author-it

Client: Author-it Software

- Author-it is a CCMS authoring tool you need to deliver beautiful documentation and advanced eLearning courses to anyone, anywhere on any device.

Responsibilities:

- Served as Senior Full-Stack Developer, designing and implementing modules for the large-scale Author-it ecosystem.
- Developed backend components and modules using Java, Spring Boot, and C#.
- Built desktop application components using C# and .NET, forming the core of the Author-it platform.
- Developed and maintained a new front-end application using Angular.
- Created reusable front-end components based on UI/UX designs.
- Conducted code reviews, prepared design documentation, and participated in SDLC activities.
- Contributed to bug fixes and provided end-to-end production support.
- Participated in the analysis and study of migrating from a monolithic architecture to microservices.

Project: Consumer Insights Explorer**Client: Axiata Digital Labs**

- The Consumer Insights Explorer (CIE) is a proprietary audience-building tool built off XACT, ADA's DMP (Data Management Platform).

Responsibilities:

- Served as Senior Full-Stack Developer, designing and implementing the CIE platform.
- Developed front-end reusable components using React, Redux, and related tools.
- Translated Figma designs from UI/UX engineers into responsive and reusable UI components.
- Integrated REST APIs with the front-end application.
- Managed development and deployment of the front-end application on Google Cloud Platform (GCP).
- Collaborated with cross-functional teams to ensure alignment with project requirements.
- Worked with data engineers to develop selected backend components.
- Performed code reviews, prepared design documentation, and participated in SDLC activities.
- Participated in bug fixes and end-to-end production support activities.

Project: Inkognito - A Data Anonymization Platform**Client: Axiata Digital Labs**

- The Inkognito platform which supports near real-time and batch processing. The system supports both on-the-fly anonymization and Data pipeline.

Responsibilities:

- Served as Senior Full-Stack Developer, designing and implementing the anonymization platform.
- Contributed to research and development (R&D) activities for the project.
- Developed anonymization logic as microservices using GoLang and Spring Boot.
- Designed and implemented the integration of Apache NiFi Manager with the anonymization backend.
- Architected and developed the platform's front-end application using React.js, Redux, and Material UI.
- Built REST APIs to expose backend services to front-end clients.
- Integrated Keycloak-based authentication for both frontend and backend services.
- Mentored junior developers, promoting best practices in code quality and reusability.
- Code reviews, design documentation, and SDLC-related activities

Project: Logiventures ERP & Workflow System**Client: Hayleys Advantis**

- This project is an ERP and Workflow system to maintain and track business process of Logiventures Engineering, A subsidiary of Hayleys Group

Responsibilities:

- Served as Senior Full-Stack Developer, contributing to multiple backend modules.
- Developed backend services and REST APIs using Java and Spring Boot.
- Contributed to the development of a custom authentication system and its backend implementations.
- Translated UI/UX designs into Angular-based frontend modules consuming backend APIs.
- Provided support for production deployments and resolved customer-reported production issues.

Project: Asset Maintenance and Utilisation System**Client: Hayleys Advantis**

- This is a maintenance and inventory system for Advantis Projects, A subsidiary of Hayleys Group in order to track their assets

Responsibilities:

- Served as Senior Full-Stack Developer, contributing to backend modules using C# and .NET.
- Developed REST APIs and a custom authentication system.
- Built Angular frontend modules consuming backend APIs.
- Supported production deployments and resolved customer-reported issues.

Project: RetailGenius.com, EPOS, Genius CRM

Client: RetailGenius

- RetailGenius is an online marketplace that connects product vendors and customers through advanced E-commerce features such as e-shopping cart, online reviews and island wide delivery system.

Responsibilities:

- Served as Full-Stack Developer, designing and implementing the loyalty module, product listings, cart functionality, product comparisons, and related features.
- Developed backend and frontend components for the Admin Panel and CRM using Laravel, CodeIgniter, Node.js, and Angular.
- Implemented backend components for the EPOS (online point-of-sale) system, enabling merchants to purchase products in-store, manage inventory across multiple locations, and track sales.
- Integrated multiple review APIs from various public sources.
- Integrated product description and feature APIs from public sources and repositories.
- Developed APIs in Node.js to support RetailGenius mobile applications.

Project: Findmyfare.com | Flights, Movies, Hotel, Bus

Client: Findmyfare

- Findmyfare is an online travel partner where you can book flights, hotels and holiday packages and etc on the go.

Responsibilities:

- Served as Full-Stack Developer, designing and implementing various modules of Findmyfare.com's Flights and Hotels platform using Laravel/PHP, Java, Spring Boot, Node.js, and Angular.
- Designed and implemented modules for the bus booking platform, enabling customers to book buses and providing an admin portal for bus agents and owners to manage and schedule travel, using Node.js and Angular.
- Integrated multiple flight scheduling systems from various sources.
- Developed APIs in Node.js to send reminders and provide the latest price details for upcoming flights.
- Built multiple APIs in Node.js to support Findmyfare.com's mobile applications.

EDUCATION

MASTER OF COMPUTER SCIENCE

2019 - 2021

University of Colombo School of Computing, Sri Lanka

BSC IN INFORMATION TECHNOLOGY

2014 - 2017

Sri Lanka Institute of Information Technology | 2014 - 2017

- GPA 3.52 | Second Class Upper Division

CERTIFICATIONS

- **GCP Certified Professional Cloud Architect | 2025 May - Present**
- **AWS Certified Developer Associate | 2024 Dec - Present**

CEWAS CMS:

A brainchild of the National Water Supply and Drainage Board (NWSDB) of Sri Lanka, The Centre of Excellence for Water and Sanitation (CEWAS) has been established to harness a repository of expertise, experience and enthusiasm that NWSDB possesses.

- Served as Independent Developer, designing and implementing a CMS for managing CEWAS course and learning offerings.
- Built backend modules using Node.js with NestJS.
- Developed the frontend application using Next.js, React.js, and related tools.

MySpaces:

MySpaces is the easiest way to buy advertising in Sri Lanka. It is the first truly out-of-the-home marketplace, providing end-to-end tools to improve the out-of-home buying experience for media owners, brands, and agencies in Sri Lanka.

- Served as Independent Developer, designing and implementing the frontend application, admin panel, and vendor panel.
- Built backend modules using Node.js with NestJS.
- Developed the frontend application using Next.js, React.js, and related tools.
- Developed mobile frontends using React Native