

# Aashiq M

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## Professional Summary

Results-driven Senior Software Engineer with 7 years of hands-on experience designing, developing, and deploying highly performant, scalable, and user-friendly web and mobile applications. Expert in **System Design, Distributed Systems**, TypeScript, React.js, React Native/Expo, and Node.js backend systems. Proven track record of spearheading cloud migrations, securing microservice architectures, and modernizing legacy monolithic frameworks for global enterprises. Experienced in designing robust CI/CD pipelines, driving cross-functional architecture and code reviews, and minimizing manual KTLO tasks through robust automated testing (TDD) and logging infrastructures (Splunk, Grafana).

## Technical Skills

**Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Python (Intermediate)

**Frontend:** React.js, React Native, Expo, Redux (Toolkit), Tailwind CSS, Chakra UI, Material UI

**Backend:** Node.js, NestJS, Express.js, hapi.js, Seneca Microservices, GraphQL

**Databases & Search:** MongoDB (Mongoose), Elasticsearch, MySQL

**Cloud & DevOps:** Azure Kubernetes Service (AKS), Docker, AWS, GCP, Jenkins, GitHub Actions, CI/CD, Istio Service Mesh, Calico Policies, Azure DevOps API Management

**Architecture & Tooling:** System Design, Distributed Systems, Scalability, Jest, React Testing Library, Splunk, Grafana, Postman, Git, Jira, Agile/Scrum

## Work Experience

### Software Engineer (Senior Level)

*IQZ Systems Pvt Ltd (Remote)*

*July 2024 – Present*

*Atlanta, GA*

- **Primerica (Legacy Service Modernization):** Spearheaded the modernization of legacy monolithic systems into containerized NestJS, TypeScript, and React microservices leveraging robust **System Design** frameworks, reducing monthly cloud operating expenses by 30%.
- Developed dynamic web views utilizing React and Redux, resulting in an enhanced customer return tracking interface that optimized core API response times within a highly scalable **Distributed Systems** architecture.
- Designed comprehensive testing suites leveraging Jest and React Testing Library, driving backend unit test coverage up to 92% and safeguarding frontend visual stability.
- Implemented unified application monitoring and log aggregation dashboards utilizing Splunk and Grafana, helping reduce mean-time-to-resolution (MTTR) for system bugs by 40% and decreasing manual KTLO efforts.
- **GM Financial (Private AKS Migration):** Partnered with DevOps and cloud security teams to migrate 12+ public microservices to a highly secure private Azure Kubernetes Service (AKS) cluster, improving compliance ratings to 100%.
- Coordinated and configured network traffic segmentation protocols using Istio Service Mesh and Calico network policies, completely eliminating unauthorized service-to-service communication paths.
- **Tinsel (Ticketing System Deployment):** Designed and implemented robust CI/CD pipelines using Jenkins to automate the containerization and deployment of frontend and backend services. Managed container images securely via Amazon ECR and orchestrated scalable hosting environments on Amazon EKS clusters.

## Senior Software Engineer

*Velocious Solutions Pvt Ltd*

*Oct 2021 – July 2024*

*Hyderabad, India*

- **CRIF – Agile Solutions Factory (ASF):** Overhauled dynamic data layers on a high-concurrency multi-tenant cybersecurity SaaS application using Node.js (Express), React, and Seneca microservices.
- Formulated architectural patterns, spearheaded technical ideation, and established strict cross-team code and design review frameworks to resolve technical debt.
- Optimized relational and search indexes in Elasticsearch, which accelerated dashboard query throughput by 45% and drastically reduced dashboard latency for over 10,000 enterprise users.
- Standardized containerized local development environments via Docker, reducing developer onboarding and environmental setup times from 2 days to under an hour.

## Backend Developer

*Divum Corporate Services Pvt Ltd*

*Aug 2020 – Oct 2021*

*Bangalore, India*

- **Bosch Travis 2.0 Middleware:** Architected and deployed a highly-available, production-grade Node.js middleware platform, bridging Bosch APIs directly with Param wallet endpoints to support real-time transaction reconciliation.
- **IRP (Invoice Receiving Portal):** Developed a high-throughput endpoint microservice using Express.js and GraphQL, allowing secure, parallel tax-invoice uploads to the Government GSTN Portal with zero-data-loss validation pipelines.
- Championed Agile and TDD paradigms, systematically analyzing and patching recurring production defects from previous legacy solutions.

## Software Engineer Intern

*Divum Corporate Services Pvt Ltd*

*Sept 2019 – Aug 2020*

*Bangalore, India*

- Co-developed user management portals, optimized Mongoose database queries, and enhanced search logic, achieving a 20% performance boost across the 'Internet Saathi' platform.
- Integrated robust real-time tracking integrations and responsive user interface views using TypeScript and hapi.js for the Translab AI Smart Parking mobile-web application.

## Summer Intern

*Zoho Corporation*

*June 2019 – July 2019*

*Chennai, India*

- Assisted internal feature development teams; gained foundational training in clean code architecture, modular design principles, and enterprise git workflows.

## Education

### B.E. in Computer Science and Engineering

*Sri Ramakrishna Engineering College, Coimbatore, India*

*2016 – 2020*

*CGPA: 8.2 / 10.0*

## Achievements & Certifications

- **Hackathons:** National Level Finalist, Smart India Hackathon Finale 2018.
- **HackerRank:** Silver Badge in Python | Bronze Badge in 30 Days of Code ([hackerrank.com/aashiq2210](https://hackerrank.com/aashiq2210)).
- **Certifications:** NPTEL Certified in Ethical Hacking | GUVI Certified in JavaScript & MongoDB.

## Languages

- **Fluent:** English, Tamil • **Conversational:** Urdu