SAFEEK S

SENIOR SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Senior Software Engineer with 9+ years of experience designing and building high-performance backend systems and full-stack applications in Golang, Node.js and React. Deep domain expertise in EV charging infrastructure (OCPP), grid energy management, real-time messaging (MQTT, gRPC, Redis Pub/Sub), microservices and AWS cloud deployments. Proven track record delivering mission-critical production platforms for JioBP, Magenta Mobility and Swiggy, with a strong focus on latency optimization, scalability and automated CI/CD.

TECHNICAL SKILLS

Languages:	Golang, Python, Java, JavaScript, TypeScript, Node.js, Shell
Frontend:	ReactJS, Angular
Messaging & Real-Time:	MQTT, OCPP, WebSockets, Kafka and Redis Pub/Sub
APIs & Protocols:	REST APIs, gRPC, Protobuf, TCP/IP
Cloud & Infrastructure:	Docker, Kubernetes, Linux, AWS, CI/CD, Git
Databases:	Redis, MongoDB, PostgreSQL, MySQL, Elasticsearch
Observability:	Prometheus, Grafana, OpenTelemetry, Kibana

PROFESSIONAL EXPERIENCE

BACKEND CONSULTANT — Remote, Coimbatore, India

KAD Agency, UAE | Client: Truxel, Sweden — May 2026 - Present

- Contributing to the backend of an energy grid stabilization platform built in Python, supporting real-time monitoring and control of distributed energy sites.
- Redesigning the platform's service topology from a per-site architecture with three dedicated services per site to a shared multi-tenant architecture with three services supporting all sites, reducing service duplication and operational overhead while improving scalability and simplifying onboarding of new sites.
- Working on backend services that process real-time telemetry and operational data from distributed energy systems.
- Adapting to a new technology stack and domain, learning Python and energy-management concepts to contribute to production backend services.
- Contributing to backend reliability, service architecture and operational improvements for distributed systems.

SENIOR SOFTWARE ENGINEER — Remote, Coimbatore, India

Tata Elxsi / Tech Mahindra | Client: JioBP — Nov 2024 - May 2026

- Designed and developed backend services using Golang and Node.js for the JioBP EV charging platform, supporting remote management and communication with distributed EV charging stations.
- Built and maintained real-time communication between backend systems and 15,000+ network-connected EV chargers using the OCPP protocol over persistent WebSocket connections.
- Worked with IoT-connected devices, handling real-time communication, device requests, remote commands, charger configuration and distributed message processing.
- Ramped up quickly on the OCPP protocol and EV charging domain after joining the organization and applied that knowledge to develop and optimize production backend functionality.
- Introduced Kafka and Redis Pub/Sub into the OCPP service to eliminate network latency issues and prevent data loss, reducing message-handling latency by approximately 40% and enabling real-time coordination across multiple service instances.
- Designed distributed communication mechanisms for routing messages and commands between backend services and connected charging devices.
- Designed and shipped the Auto-Charging feature, automating the end-to-end charging workflow and reducing manual operator intervention.
- Owned UAT, QA, production server setup, deployments and CI/CD pipelines, supporting automated and zero-downtime releases.
- Investigated and resolved production incidents involving distributed services, persistent connections, message delivery, reliability, performance and availability.

GOLANG DEVELOPER — Bengaluru, India

Magenta Mobility — Jan 2023 - Nov 2024

- Designed and developed scalable backend services using Golang and MongoDB for an EV fleet and charging management platform.
- Worked on backend systems supporting EV charging infrastructure and network-connected charging devices.
- Built an OCPP log management system for monitoring and analyzing high-volume, real-time transactions between charge points and the central management system, with logs visualized in real time through the Magenta frontend application.
- Developed backend services for processing and managing real-time data generated by distributed charging stations.
- Gained experience with device communication workflows, real-time transactions and distributed charging infrastructure.
- Delivered platform features using Golang and React.js, supporting daily operational workflows across the EV fleet.
- Troubleshot production incidents and optimized backend microservices to improve reliability and reduce operational overhead.

SENIOR SOFTWARE ENGINEER Coimbatore, India
OntoBorn Technologies Jun 2017 - Dec 2022
Product engineering services company; worked across multiple client engagements.

Swiggy Online Food Delivery Platform

- Built a Golang-based gateway service for CMS request and response processing.
- Implemented low-latency gRPC communication between internal microservices.
- Worked with distributed backend services requiring reliable and efficient service-to-service communication.
- Set up Prometheus and Grafana monitoring for backend services with Docker-based deployments on AWS.

Essential Skills - Learning Management System (Client: Ohio State University)

- Developed online examination features, including quizzes and timed tests, using React.js, Golang APIs and MySQL.
- Built backend APIs supporting concurrent user activity and time-sensitive workflows.
- Investigated and optimized slow database queries, improving responsiveness under high concurrent load.

PoultryPro - SaaS Farm Management Platform

- Contributed to system architecture and core business logic for a SaaS-based farm management platform.
- Built backend APIs and business functionality using Golang and MySQL.
- Worked across backend and frontend components using Golang and React.js.

KEY STRENGTHS

- **Real-Time & IoT Systems:** Hands-on experience with OCPP, MQTT, WebSockets, gRPC, Redis Pub/Sub and event-driven architectures for managing distributed EV charging stations and connected devices.
- **Concurrent & Distributed Systems:** Experience building and optimizing high-throughput systems requiring real-time communication and coordination across multiple services.
- **Fast Learner:** Quickly adapts to new technologies and domains, demonstrated by learning OCPP and the EV charging ecosystem and applying that knowledge in production systems.
- **Production Ownership:** Experience with Linux, Docker, Kubernetes, CI/CD, deployments, monitoring, incident response and production troubleshooting.

EDUCATION

BACHELOR OF ENGINEERING - COMPUTER SCIENCE Coimbatore, India
KGISL Institute of Technology 2013 - 2017