Suman Kumarajothi

📞 +91 9025921407 | ✉ suman.kumarajothi@gmail.com | in suman-kumarajothi

Senior Software Engineer with 3.5+ years of experience in telecommunications and IoT, specializing in back-end development, database management, and front-end integration. Proficient in designing scalable solutions and developing distributed systems using microservices architecture.

EXPERIENCE

Dhyan Networks & Technologies, Chennai, India

Senior Software Engineer   *Apr 2024 - Present*

StreetMan - Nexgen Backend - *Spring Boot, Apache Kafka, httpd, docker, Redis, Postgres*

- **Reduced system latency by 20%** by redesigning CMS South Bound Adapters (for IoT communication) into distributed microservices using **Spring Boot** and **Apache Kafka**, significantly enhancing system **scalability and reliability**.

Dhyan Leave Management System - *PHP, httpd, MySQL*

- Migrated the internal Leave Management System from **CentOS-7 (PHP 5.6)** to **RockyLinux-9 (PHP 7.4)**, improving **system stability** and automating recurring tasks via **cron jobs**, reducing manual intervention.

iS5Communications - *Java, jQuery, JSP, XML, Postgres*

- **Led a team** to optimize device integration, achieving a **30% increase in system efficiency**.
- Designed and delivered a **modular device management feature** in RAPTOREye, enabling system administrators to add or remove devices seamlessly, without requiring system restarts, enhancing **operational flexibility** and **reducing downtime**.
- Facilitated **knowledge transfer** sessions for the client development team on **RAPTOREye** and the **Netman** infrastructure.
- **Mentored interns** by guiding them through **PoC assignments** and supporting their successful transition to full-time engineering roles.

Software Engineer   *Nov 2021 - Mar 2024*

StreetMan - Nexgen UI - *Angular, TypeScript, REST API, CSS, Postgres*

- Migrated the legacy UI to **Angular (PrimeNG)** using dynamic, non-schema-based components and REST APIs, resulting in an **improvement in maintainability** and **developer efficiency**.
- Developed a **multi-tenancy switching feature** to support smart asset management across multiple deployments.
- Implemented a **Dimming Scheduler** component using **FullCalendar.js** to configure lighting schedules for Smart Lamps.

Microsoft Affirmed Networks *- Java, Perl, YAML, YANG, MySQL*

- Resolved a **critical CI/CD pipeline issue** impacting device YANG model fetching for MCC stats, enabling a major product release.

- Addressed **security vulnerabilities** flagged by **ADO Component Governance**, and improved code quality through compliance with **DevSkim**, **ESLint**, and **CodeQL** standards.

- Developed an **Auto Registration feature** for MCC/MME instances using **northbound REST APIs**, streamlining NF onboarding in Acuitas.

TECHNICAL SKILLS

Programming Languages: Java, Python, PHP, JavaScript, TypeScript

Frameworks & Tools: Spring Boot, Microservices, Angular, Docker, Apache Kafka, REST APIs

Databases: MySQL, Postgres, Redis, KeyDB

Cloud & CI/CD: AWS, ADO, GitLab, GitHub, Gerrit

Others: Shell Scripting, Batch Scripting, Problem-Solving, Data Structures & Algorithms

---

EDUCATION

B.E., Mechanical Engineering | Panimalar Institute of Technology, Chennai, India | CGPA: 7.94/10

CERTIFICATIONS

- AWS Machine Learning Foundations

- Oracle Cloud Infrastructure (OCI) Foundations

HONORS & AWARDS

- ***Customer Excellence Award, 2023:*** Recognized for resolving MCC stats collection issues and critical pipeline tasks essential to system reliability and release readiness.
- ***Emerging Talent Award, 2022:*** For excelling during baseline training as a Software Engineer Trainee.
- ***AICTE TFW Scholarship, 2015****:* For academic excellence in 12th grade.

INTERESTS

Competitive Programming and Chess, Artificial Intelligence, Gaming and Anime.