

Profile

Senior Backend Engineer with 10+ years of experience designing, building, and operating scalable distributed systems serving millions of users across Europe and the US. Proven track record of owning complex systems end-to-end, **leading backend teams**, and driving architectural evolution from monolith to microservices in mission-critical domains. Strong hands-on expertise in Kotlin, Java, Python, cloud-native architectures on AWS, and production LLM integrations including RAG pipelines and vector search.

Professional Experience

Senior Engineer II (Technical Lead)

Monta EV [🌐](#)

05/2024 – Present | Barcelona, Spain

Monta EV (Server)

Core backend platform for Monta's EV charging ecosystem — a hybrid monolithic and microservices application enabling user authentication, smart charging schedules, charging sessions, billing, and enterprise fleet/organization management across Europe and the US.

Tech Stack: Kotlin (JVM), Java, Micronaut, Python, AWS (S3, SQS, Lambda, ECS, RDS), Kafka, PostgreSQL, MySQL, Redis, Docker, Kubernetes, Helm, Grafana, Prometheus, Loki, Tempo, Git

- Designed, built, and led development of **enterprise backend features on the JVM** in Kotlin and Java — serving millions of users and enterprise fleet customers across Europe and the US.
- Built and owned the **feature flag service** — a platform-level component handling 400-500 requests/second with RBAC, A/B experimentation, and gradual rollout, used by engineering teams across the organisation.
- Deployed and operated services across **Kubernetes and AWS** — Helm-based deployments, HPA scaling on custom application metrics, and environment-consistent releases.
- Investigated and resolved production issues in live environments — leading on-call triage across services, data, and infrastructure, and driving root-cause fixes.
- Instrumented services with **metrics, structured logging, and distributed tracing** — Prometheus, Loki, Tempo, and Grafana — to make production behaviour observable and debuggable.
- Improved reliability, testing, performance, and security for production use — JUnit and Testcontainers integration tests, query and index tuning, Redis caching, and JWT/RBAC authentication.
- Built **AI-first engineering workflows** — integrated the Devin AI agent to autonomously find and remove legacy feature flags across codebases and raise PRs to owning teams, with engineers validating every change before merge.
- Used Claude Code, GitHub Copilot, and ChatGPT daily — pairing AI speed with code review and testing discipline.
- Took ownership and moved work forward without waiting for perfect specs — scoping, prototyping, and iterating with product and platform teams.
- Led a team of 6 backend engineers — code reviews, engineering standards, and mentoring focused on quality and developer productivity.

CDR Reconciliation – Event-Driven Automation

Automated reconciliation of Charge Point Operator invoices against charging sessions and billing data.

Sudheer Kumar Kancharla

Senior Software Engineer (Team & Technical Lead Experience)



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[🌐 /sudheerkumark](#)

Languages

English

Spanish

A2

Tech Stack: Kotlin, Java, Python, PostgreSQL, MySQL, AWS Lambda, AWS SQS, Docker, Kubernetes, OpenAI

- Built the service from scratch on the JVM — design, data model, delivery, and production operation.
- Designed for reliability — idempotency, retries, dead letter queues, and structured logging for traceable processing.
- Integrated OpenAI for invoice parsing and anomaly detection, with validation rules guarding every AI-extracted record.
- Increased automated invoice approval processing by ~70% while eliminating manual intervention.

Contract DB (Monta) – AI/LLM System

Production LLM platform for natural-language querying of legal contracts.

Tech Stack: Python, OpenAI GPT-4/GPT-3.5, RAG, Vector Search, Embeddings, REST APIs

- Built a **production RAG system** — ingestion, embeddings, vector retrieval, and prompt orchestration grounding answers in source documents.
- Evaluated and iterated on retrieval and prompt quality to keep answers accurate and explainable.
- Reduced manual contract review effort and improved support ticket closure efficiency by ~20%.

Forest Admin – Internal Operations Tool

Internal admin platform used by operations teams to manage backend data and workflows.

Tech Stack: Node.js, TypeScript, React, Kotlin, PostgreSQL, MySQL, Zendesk, HubSpot, DealHub

- Built internal tooling integrating Zendesk, HubSpot, and DealHub via REST APIs.

Senior Software Engineer

Solera Holdings

01/2023 – 05/2024 | Seville, Spain

Qapter FMS – Solera Holdings

AI-driven vehicle lifecycle and claims management platform.

Tech Stack: Java 17, Spring Boot, Spring Cloud, Microservices, MongoDB, RabbitMQ, Kafka, Elasticsearch, Docker, Kubernetes, Maven, JMeter

- Designed and implemented scalable **backend microservices in Java 17 and Spring Boot** — delivering high-quality solutions for mission-critical insurance claims operations in an international team.
- Built Kafka and RabbitMQ-based **event-driven messaging** for reliable, asynchronous communication between microservices.
- Participated in code reviews and contributed to development best practices — maintaining high engineering quality standards across the team.
- Conducted API performance testing using JMeter to benchmark REST APIs under load, validating SLA compliance and identifying bottlenecks.
- Built Spring Boot microservices exposing OpenAPI-documented REST services

Senior Software Engineer

Concentrix

10/2021 – 12/2022 | Hyderabad, India

TrainerBot – Concentrix (Cognitive Customer Engagement)

Skills

Backend & Architecture

Java
Kotlin
Spring Boot
Microservices
REST APIs
Event-driven systems

AI / LLM Systems

OpenAI
Claude
RAG
Embeddings
Vector Search
Prompt Engineering

Cloud & Platform

AWS
Docker
Kubernetes
Jenkins CI/CD
Observability

Leadership & Delivery

Technical Leadership
Mentoring
Architecture Reviews
Agile Delivery

Databases & Tools

MySQL
Oracle
PostgreSQL
NoSQL (MongoDB)
DataGrip

FrontEnd

JavaScript
ReactJS
Node.js

Other Management Tools

Agile
Jira
Git

Certificates

- AWS Certified Developer - Associate

Automated training platform for employees, part of Concentrix ☑ Cognitive Customer Engagement product suite — delivering AI-powered training workflows via voice and conversational interfaces.

Tech Stack: Java 8, Spring Boot, Microservices, ReactJS, Kafka, Docker, Jenkins CI/CD, JUnit, Google Speech-to-Text, Google Text-to-Speech

- Integrated **Google Speech-to-Text** to convert user spoken speech into text in real time — enabling voice-driven interactions within the training platform and directly analogous to voice processing pipelines in customer communications systems.
- Integrated **Google Text-to-Speech** to convert system responses back into natural spoken audio — enabling the platform to respond to users via voice, creating a seamless conversational training experience.
- Designed and implemented RESTful APIs using Java 8 and Spring Boot to power voice-driven training workflows — handling real-time audio processing, session management, and user interaction flows.
- Designed and maintained Jenkins CI/CD pipelines to automate build, test, and deployment workflows — improving release reliability and reducing manual intervention across environments.
- Led a small team to deliver customer requirements within agreed deadlines, coordinating work, removing blockers, and ensuring smooth delivery.
- Developed unit test cases and participated in code reviews to improve code quality, maintainability, and test coverage across the codebase.
- Developed full-stack features with React and JavaScript on top of Java/Spring Boot services backed by Oracle

Software Engineer

OpenText

10/2016 – 10/2021

OpenText – Engineering Document Management

Core modules of OpenText Content Server — document management and web reports for enterprise customers.

Tech Stack: Java 8, Spring Boot, React, JavaScript, Oracle, Docker, Tomcat, Jenkins, Linux, Shell Scripting

- Developed and maintained enterprise Java applications on **Tomcat** application server in **Linux environments** — contributing to document management and web reporting modules for global enterprise customers.
- Worked with **Oracle databases** for enterprise content storage — writing efficient SQL queries and optimizing data access patterns for large-scale document management.
- Contributed to migrating a monolithic application to microservices — improving scalability, maintainability, and deployment flexibility.
- Worked with security tools (Fortify, Burp Suite) to identify and remediate vulnerabilities — ensuring secure coding practices across enterprise applications.
- Collaborated with the automation testing team to enhance BDD-based Cucumber/Java test framework — integrating it into Jenkins CI pipelines for continuous daily test runs.

Internships

Software Intern, OpenText

05/2016 – 10/2016 | Hyderabad, India

Worked on Core Content Management web application which allowed end users to store documents, images and version control

- Manual Testing and finding issues in the application
- Automation testing with Protractor

Education

Bachelors in Computer Science Engineering
JNTU Kakinada, Guntur

05/2012 – 05/2016 | Andhra Pradesh, India