

KARUN BOURISHETTY

FULL STACK SOFTWARE ENGINEER · AI & CLOUD

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SUMMARY

Full Stack Software Engineer with 6+ years building end-to-end web applications and cloud services across the full software development lifecycle. Strong in Java and Spring Boot back ends with Angular and React front ends, RESTful APIs, and microservices on Google Cloud. Experienced across CI/CD, test automation, and large-scale data migrations, with recent hands-on work applying Generative AI and LLM-assisted development to cut cost and manual effort. Known for shipping reliable, maintainable software and collaborating across teams to solve real business problems.

EXPERIENCE

Software Developer Ford Motor Company Jan 2025 – Present

- Architected a reusable Playwright/TypeScript test-automation framework with Page Object Model and multi-database/event-streaming integrations, cutting manual QA effort across the organization.
- Accelerated development with AI-assisted workflows — GitHub Copilot within the OpenCode agent and Model Context Protocol (MCP) integrations across GitHub, Jira, and Google Cloud — to speed up coding, code review, and issue tracking.
- Contributed key optimization work — reuse patterns and cost-contract updates — that fed a team GenAI proof-of-concept, cutting manual optimization time by 66% and reducing wasted resource consumption.
- Led a compliance-driven migration of 45M+ monthly transactions across 9.6M+ vehicles to a modernized data framework supporting EU regulatory requirements.
- Delivered an end-to-end Spring Boot and Java platform upgrade in a fraction of the typical timeline, eliminating major technical debt while sustaining a 93% on-time delivery rate across 44 initiatives.

DevOps Engineer Ford Motor Company Aug 2024 – Jan 2025

- Built and maintained CI tooling and infrastructure, streamlining development processes across multiple teams.
- Performed root cause analysis on pipeline and build failures, implementing fixes that minimized downtime and accelerated troubleshooting.

Software Developer Ford Motor Company Jan 2022 – Aug 2024

- Architected data-driven solutions on Google Cloud (BigQuery, Dataflow, Cloud Run, Cloud Functions) to ingest, process, and analyze large datasets.
- Designed RESTful APIs with Spring Boot and deployed Dockerized microservices on GCP for scalability and fault tolerance.
- Built CI/CD pipelines with Tekton, reducing deployment time by 50%, and integrated automated vulnerability scanning into the pipeline.
- Migrated a data pipeline from Google Cloud Pub/Sub to Apache Kafka — 30% higher throughput, 15% lower latency; led a UI overhaul and refactored legacy components to modern Angular.

Software Developer Founder Sport Group Dec 2020 – Dec 2021

- Built a high-performance Order Management System (React.js, Node.js, PostgreSQL) that improved order processing efficiency by 15%, with AWS S3 and RDS integration for security and scalability.

Software Developer Miracle Software Systems Feb 2020 – Nov 2020

- Developed Miracle SAP Velocity (Angular 8, REST APIs) to extract SAP data into Excel, Azure, and AWS, and optimized database performance by 150%.

SKILLS

Languages & Frameworks: Java, Spring Boot, TypeScript, JavaScript, Angular, React.js, Node.js, C#/.NET, SQL

Cloud & Data: Google Cloud (BigQuery, Dataflow, Cloud Run), AWS, Azure, Apache Kafka, PostgreSQL, MongoDB

AI & GenAI: Generative AI, GitHub Copilot, OpenCode, Model Context Protocol (MCP), LLM-Assisted Development

Architecture & DevOps: REST APIs, Microservices, CI/CD, Tekton, Docker, Terraform, Playwright, Git/GitHub, gcloud, Jira CLI, Agile/Scrum

EDUCATION

M.S., Computer Science Northwest Missouri State University 2019

B.S., Computer Science Jawaharlal Nehru Technological University 2018