

BHAUMIK MEHTA

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SUMMARY

Staff Software Engineer and technical lead with 10+ years of experience in distributed systems, event-driven architecture, cloud platforms and engineering delivery across GEICO, Walmart and Twilio. Led teams of up to 12 engineers and delivered fulfillment automation, API modernization and inventory platforms. Hands-on experience building MCP-based API tools, AI agents and customer-facing claims chatbots, alongside AI-assisted engineering workflows.

WORK EXPERIENCE

Staff Software Engineer / Tech Lead, GEICO

Jun 2025 – Present

- Lead architecture and development of Altirus Road within GEICO Insurance Services, a live, multi-tenant platform used by clients for claims, exposures and roadside dispatch; built the client portal, reusable claims APIs and white-label capabilities.
- Designed tenant-context propagation, a shared Java client and an integration layer, enabling downstream teams to make existing services tenant-aware and carry authorization permissions and scopes across the system.
- Built a customer-facing MCP server exposing platform APIs as tools, enabling customers to integrate directly through APIs or connect their AI agents within existing systems.
- Developed a customer-facing claims chatbot within the portal, enabling users to view claims and ask questions through a conversational interface.
- Built and technically led a 12-person engineering team, providing hands-on architecture guidance and mentoring.
- Model capacity and failure scenarios and build operational dashboards to guide platform resilience and scalability.
- Serve as an AI champion across GEICO, sharing reusable skills and tools, guiding AI-assisted development adoption and building automation workflows for engineering delivery.

Senior Software Engineer Technical Lead, Walmart Global Tech

May 2023 – May 2025

- Led a 10-person team delivering autonomous robotics for Walmart's first hybrid fulfillment center; the program supported 130K units shipped daily, 1.3-day delivery and projected savings of \$150M+.
- Partnered with GreyOrange, CVP and Dematic on a Kafka-based event-driven architecture, with Spring Boot services and a React frontend.
- Developed a Centralized Inventory System to unify inventory data across fulfillment centers, reducing discrepancies and improving forecasting via an analytics dashboard.
- Established department-wide code-review guidelines, streamlined CI/CD and improved on-call monitoring for logging, service latency and Kafka lag.

Senior Software Engineer, Twilio

Jun 2022 – May 2023

- Led migration of the Phone Numbers Inventory API from PHP to Java and Spring Boot, reducing latency to 12ms. Containerized the application with Docker and deployed on AWS ECS.
- Migrated MySQL to DynamoDB and the White Pages caching service from Hazelcast to AWS ElastiCache as part of a transition to managed AWS services.

Senior Software Engineer, Walmart

May 2021 – Jun 2022

Software Engineer 2, Walmart

Aug 2018 – May 2021

- Led four full-time engineers and three contractors delivering an integrated planning and labor-management tool for supply-chain forecasting using Spring, React and SQL Server on Azure and GCP.
- Architected event-based order management and developed a recommendation engine to predict orders from historical data.
- Developed a vendor delivery-scheduling application using Angular, Spring and MongoDB.

Software Engineer, ENSO Financial Analytics/CME

Feb 2017 – Aug 2018

- Built a payment module for hedge fund asset transfers using Spring and React.
- Created an automation framework for web testing with Selenium, TestNG, JMeter, Spring, and Maven.

Java Automation Engineer, American Express

Sep 2016 – Feb 2017

- Developed APIs for Foreign Exchange International Payments to support money transfers across accounts.

SKILLS

AI and engineering workflows: MCP servers and API tool integration, AI agents, claims chatbots, generative AI, LLMs, AI-assisted development, reusable skills and tools

Programming languages: Java, JavaScript, Python, Go, Kotlin

Cloud: Azure, AWS, GCP

Datastore and Stream: MySQL, SQL, PostgreSQL, MongoDB, MariaDB, Cassandra, Redis, DynamoDB, Elasticsearch, Kafka

Backend: Spring Boot, JPA, Hibernate, Dropwizard, REST, GraphQL, SOAP, Node.js

Frontend: React, Angular, Next.js, Redux, HTML, CSS, jQuery, Tailwind

Infrastructure: Docker, Kubernetes, Terraform, Buildkite, Splunk, Datadog, Git, Bitbucket

Testing: Selenium, JUnit, TestNG, Mockito, JMeter

EDUCATION

Master of Science in Computer Science

Sep 2014 – Jun 2016

California State University, Los Angeles

Bachelor of Engineering in Computer Engineering

2010 – 2013

Atharva College of Engineering, University of Mumbai

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals — Microsoft | May 2021

Building Scalable Java Microservices with Spring Boot and Spring Cloud — Coursera | Jul 2020

Learning React.js — LinkedIn | Sep 2020