Yubaraj Bhatta

SENIOR SOFTWARE ENGINEER | JAVA • SPRING BOOT • MICROSERVICES • GENERATIVE AI

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Professional Summary

Senior Software Engineer with **7+ years** building and running Java and Spring Boot microservices, Angular front ends, and cloud systems on AWS, Azure, and Kubernetes. Uses **generative AI and MCP** across the development lifecycle to ship greenfield services faster and modernize brownfield code safely. Holds an MBA and is moving toward technical leadership.

- **AI-assisted engineering:** prompt engineering, AI code generation, MCP server integrations, AI-generated tests and docs
- **Cloud-native delivery:** microservices, Docker, Kubernetes, Jenkins CI/CD, AWS and Azure
- **Industry range:** background screening, telecom (AT&T), payments (Mastercard), healthcare
- **Leadership:** code reviews, mentoring junior engineers, cross-team requirements and technical guidance

Technical Skills

Area	Skills
Generative AI	Prompt engineering, AI-assisted coding (GitHub Copilot, Claude, ChatGPT), Model Context Protocol (MCP) servers, AI code generation and refactoring, AI-generated tests and docs
Languages	Java (8–25), Python, JavaScript, TypeScript, SQL, C++, C
Backend	Spring Boot, Spring MVC, Spring Security, Spring Data, Spring Batch, Hibernate/JPA, REST, SOAP, JMS, Microservices
Frontend	Angular, AngularJS, HTML5, CSS, jQuery, AJAX, Bootstrap, Node.js, Express
Cloud and DevOps	AWS (EC2, S3, RDS, Lambda, SQS, Kinesis, Redshift, CloudWatch, Elastic Beanstalk, CodeCommit), Azure, Pivotal Cloud Foundry, Docker, Kubernetes, Rancher, Jenkins, Maven
Databases	Oracle, MySQL, SQL Server, MongoDB, PL/SQL, T-SQL
Monitoring and Testing	Datadog, Kibana, Splunk, Log4j, JUnit, Mockito, JMeter, SonarQube, Veracode (SAST)

Area	Skills
Practices	Agile/Scrum, CI/CD, code review, design patterns (MVC, DAO, Singleton, Facade), Git, Jira, Rally, Linux/Unix

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Professional Experience

Senior Software Engineer | Accurate Background

Irvine, CA • January 2022 – Present

Generative AI and MCP

- **Led AI-assisted development** on the team, using prompt engineering and generative AI tools to speed up design, coding, testing, and documentation.
- **Greenfield:** used generative AI to scaffold new microservices from requirements, including API contracts, data models, service layers, and unit tests.
- **Brownfield:** modernized existing code with AI by analyzing older modules, refactoring them to modern Java patterns, and generating regression tests before changes.
- **MCP integrations:** built and configured Model Context Protocol servers that connect AI assistants to code repositories, documentation, databases, and ticketing tools for context-aware code generation.
- **Team standards:** created reusable prompt templates and guidelines for AI-generated code review, security checks, and test coverage.

Platform Engineering

- Design, build, and maintain **Spring Boot microservices** that power high-volume background check workflows.
- Built responsive **Angular** user interfaces for customers and internal users.
- Automated build, test, and deployment pipelines in **Jenkins**, reducing manual errors and increasing release frequency.
- Deploy and run containerized services on **Kubernetes** (Rancher) for high availability and scaling.
- Monitor system health with **Datadog** and **Kibana**, finding and fixing production issues early.
- Manage data in **MongoDB** and SQL, and use **AWS S3** for large-scale document storage.
- Review code, mentor junior engineers, and take part in sprint planning, backlog grooming, and retrospectives.

Full Stack Java Developer | AT&T

Richardson, TX • November 2020 – January 2022

- Designed and built scalable, fault-tolerant **Spring Boot microservices** and REST APIs used by multiple applications across the organization.
- Built single-page applications with **AngularJS**, JavaScript, HTML, and CSS.
- Implemented **Spring AOP** authentication at the API level, cutting the development time needed for exception handling.

- Fixed **multithreading** performance problems and throttled downstream API calls, which removed hung threads from the application server.
- Designed schemas for relational (Oracle, MySQL) and NoSQL (MongoDB) databases.
- Fixed security vulnerabilities found by **Veracode** SAST scans.
- Automated builds with Maven and Jenkins CI, and supported production Kubernetes pods, logs, and defect fixes.

Full Stack Java Developer | Mastercard

St. Louis, MO • January 2020 – October 2020

- Built **Spring Boot microservices** and RESTful CRUD APIs, secured with Spring Security.
- Migrated application deployments from **Pivotal Cloud Foundry to Azure** and configured microservices from DEV through PROD.
- Deployed services on **AWS** (EC2, S3, Lambda, SQS, Kinesis, Elastic Beanstalk).
- Automated unit tests with JUnit, Mockito, and SonarQube in Jenkins pipelines, and ran **JMeter** load tests.
- Built **Splunk** searches, alerts, and scheduled reports for application monitoring.
- Moved data from relational SQL databases to **MongoDB**.
- Built UI features with Angular, HTML5, CSS, and JavaScript, plus Express REST APIs.

Java Developer | Sonic Healthcare

Richardson, TX • March 2018 – December 2019

- Built web applications with **Spring MVC**, Spring IoC, **Hibernate/JPA**, and the DAO and Session Facade patterns.
- Built batch processes with **Spring Batch** and SOAP web services.
- Wrote complex **MySQL** queries, joins, and stored procedures.
- Built dynamic user interfaces with JavaScript, jQuery, AJAX, and JSON.
- Managed builds and continuous integration with Maven and Jenkins, and deployments on Apache Tomcat.

Education

Master of Business Administration (MBA), Accounting Concentration

Pittsburg State University, Pittsburg, KS • 2026

Bachelor of Science in Computer Science, Minor in Mathematics

University of Texas at Arlington, Arlington, TX • 2019