

Technical Summary:

- Around 6 years of experience as a Software Developer, with diverse expertise in analysis, design, debugging, software development, and implementation of web-based applications and batch jobs.
- Proficient in Java, with expertise in OOP, multithreading, functional programming, asynchronous processing, and containerized deployments; experienced in large-scale codebases and delivering scalable, high-performance apps.
- Skilled in Spring Boot, Spring Batch, Hibernate, RESTful Microservices, Redis caching, Kubernetes, and AWS/Azure cloud platforms. Experienced with automation, monitoring tools (Splunk, CloudWatch, ELK stack, Dynatrace)
- UI Front-end experience in developing applications using **React and Angular frameworks**. Proficient in HTML, CSS, JavaScript, & TypeScript, with a focus on components, state management, & performance optimization.
- Contributed to Agile project delivery by engaging in daily stand-ups, addressing technical challenges, and driving issue resolution to ensure on-time sprint progress and alignment with business objectives.
- Experience with **Jenkins** as a **CI/CD** tool for automating builds, continuous integration, and deployment processes, ensuring the application is error-free throughout. Proficient with Sonar for code quality analysis.
- I have used **Python** extensively, specializing in data analysis and developing automation scripts to optimize data processing and enhance workflow efficiency, employing various data manipulation and analysis libraries.
- I am well-experienced in **Test-Driven Development (TDD)** using JUnit and Mockito for unit testing and integration tests. I have experience in writing automation tests using Cucumber with Gherkin syntax to create clear, **Behavior-driven development (BDD)** scenarios for end-to-end testing. Involved in testing, fixing defects during the QA phase, supporting QA testing, troubleshooting defects, and identifying the source of defects.
- Expert in developing clear documentation for system designs, user stories, and code functionality and strong knowledge on networking (TCP/IP) protocols and expertise in Windows & Linux OS troubleshooting.
- Certified in Microsoft Azure AZ- 900 Fundamentals. Certified as **AWS Cloud Practitioner**. Experience in practical implementation of cloud-specific AWS technologies including Elastic Compute Cloud (EC2), Simple Storage Services (S3), ECS, CloudWatch, Route 53, Internet Gateway, VPC, Lambda.
- Designed and developed **Kafka** producers and consumers, utilizing core components (topics, partitions, brokers) to build scalable, real-time data pipelines and integrate with Spark for advanced Big Data analytics.
- Strong expertise in asynchronous and reactive programming in Java using Spring WebFlux and Project Reactor, leveraging Mono for non-blocking I/O, reactive domain services, and scalable API handling.
- Proficient in both **SQL and NoSQL databases**, including experience with relational databases like MySQL and Oracle, as well as NoSQL databases like MongoDB, ensuring optimal data storage, and retrieval for varied applications.
- Excellent communication, leadership, decision making, problem-solving, and analytical skills with attention to detail, can manage multiple projects, eager team collaborator with the flexibility to excel working independently.

Technical Skills:

- **Programming Languages:** C, C++, Java (J2EE), Golang, JavaScript, TypeScript, MATLAB, Python.
- **Web and UI Technologies:** HTML, CSS, JSP, XML, SOAP, JSON, Apache FTL, Figma, jQuery.
- **Domain / Functional Knowledge:** Healthcare, Insurance, Capital Markets, Telecommunication, Retail, Ecommerce.
- **Frameworks:** Spring, Log4J, JSF, JPA, Node.JS, Apache Camel, Angular, Hadoop, React.js, myBatis and Fast API.
- **DevOps:** CI/CD (Jenkins, Git, Maven, Sonar, Bitbucket, GitLab, Gradle, Ant Builds), Docker, OpenShift, Kubernetes, Splunk, PowerShell, Tortoise SVN, Apache Tomcat, IBM WebSphere, JBoss.
- **RDBMS SQL / NOSQL Databases:** Oracle DB, MySQL, MariaDB, PostgreSQL, Mongo DB, Cassandra DB, DynamoDB.
- **IDE & Project Management:** Eclipse, VS Code, IntelliJ, Agile Methodologies, Confluence, JIRA
- **Testing Frameworks:** Mockito, Spock, Jasmine, Karma, Cucumber Automation Tests, Postman API Testing, TestNG

Work Experience:

Senior Full Stack Developer

Dec 2024 – Current

AT&T – Plano, TX Onsite

- Design and develop scalable and high-performance **microservices** for their commerce and customer account management systems using **Reactive Java and Spring Boot**. I typically work on **6 microservices simultaneously**, each following different architectural patterns, some leveraging **Domain-Driven Design (DDD)** for async logic.
- **Leverage GitHub Copilot** extensively to accelerate development, enabling rapid prototyping, reducing boilerplate code, and consistently delivering a high volume of user stories within a single sprint.
- Engineered an end-to-end data pipeline to migrate and sync Oracle SQL data into **Cassandra DB**, designing optimal schemas (partition/primary keys) and queries to minimize tombstones and ensure high read/write performance.
- **Deploy and manage** microservices efficiently using **Docker** for containerization, orchestrating deployments with **Kubernetes**, and hosting them on **Azure Cloud** to ensure scalability, high availability, and reliability. Implement CI/CD pipelines for automated builds, testing, and deployment.
- Ensure high-quality code by writing extensive unit tests using **Spock** for BDD-style testing, achieving high code coverage. Conduct code reviews and performance optimizations to enhance system efficiency.
- **Implement centralized logging and monitoring** using the **ELK Stack (Elasticsearch, Logstash, and Kibana)** to track application performance, detect anomalies, and gain real-time insights for debugging and troubleshooting.
- Develop and optimize robust backend solutions, implementing **RESTful APIs** with proper security, exception handling, and performance optimizations. Utilize **Swagger** to generate comprehensive API documentation.

Full Stack Developer Intern

Jun 2024 – Dec 2024

YSAT Solutions

- I have worked for a capital market project **as a contractor**, utilizing a comprehensive technology stack and performing a wide range of development and support activities
- Developed new features for the capital market product using **Java, AWS, Spring Boot**, and **Spring JPA**.
- Enhanced and maintained batch jobs using **Spring Batch**, managed through **AutoSys, Airflow**, and hosted on **AWS**.
- Implemented and fixed UI components using **AngularJS**, ensuring a seamless user experience.
- Conducted **unit testing** and **integration testing** for backend systems using **JUnit**, ensuring code quality.
- Performed **Jasmine tests** to validate front-end functionality and maintain responsiveness.
- Executed **Cucumber tests** for automated end-to-end testing, ensuring seamless feature integration.
- Provided **production support**, resolving critical issues to maintain application uptime.
- Explored Terraform and its core concepts for infrastructure-as-code and cloud resource management.
- Assisted with **E2E testing**, ensuring smooth deployment and successful project delivery.

Software Developer Intern

Dec 2023 – May 2024

American Bureau of Shipping (ABS)

- Crafting web services and REST APIs over **Spring Boot** using Spring Security and **Hibernate ORM**, seamlessly integrating them with client services.
- Developing dynamic **Jasper Reports**, producing PDFs for various documentation and reporting requirements, and generating comprehensive CSV reports for data analysis and processing.
- Implemented application integrations using Apache Camel, utilizing its powerful routing and mediation engine to connect diverse systems and facilitate seamless data flow in complex microservice architectures.
- Developed REST API services for Automatic Emails and Internal Notifications, implemented integration tests and **JUnit** test cases using **Mockito**.

Senior Java Developer

Aug 2021 – Dec 2022

Infosys

- Assigned to the Digital Marketing team for **LG Electronics**, focusing on business enhancements and code development utilizing **SQL, CSS, JavaScript, Java, FTL, Node, and JSON**.

- Developed batch processing modules using the **Spring Batch framework**, managing multiple database setups. Deployed the application on **AWS**, leveraging various services for scalability.
- Fixed UI bugs and ensured seamless user experience across browsers in Angular applications. Migrated key functionalities from FTL and JSP to AngularJS and upgraded the front-end from Angular 11 to Angular 18, improving architecture and application performance.
- Maintained unit tests with Jasmine and Karma for Angular applications. **Improved test coverage by 80%** and ensured the stability of key features through regular automated testing during development.
- Facilitated the setup of client products on third-party platforms like Google Merchant Center (GMC) through API integration and code optimization. Enhanced batch module performance, resulting in client commendations for improved website performance and substantial increases in GMC sales.

Software Engineer

Jun 2019 – Aug 2021

Wipro Limited

- I started as a project engineer in the **Healthcare** domain, acquiring extensive domain knowledge. One notable project involved **Python**-based automation, where I refined resources and conducted data analysis.
- Worked as a Full Stack Developer on Wipro's MedAdvantage360 and Member360 project, a BPaaS platform that supports healthcare plans including Medicare Advantage, Part D, Medicaid, & MediGap lines of business.
- Developed and enhanced web applications using **React.js**, Redux for the front end and built scalable microservices on Spring Boot to support the platform's functionality for managing healthcare plans and services efficiently.
- Developed React components and integrated them with backend services via RESTful APIs using Axios. Ensured seamless data flow and user interaction by utilizing advanced JavaScript (ES6+) features.
- Worked on tuning Resiliency and fault tolerance for the application with resilience4j and Hystrix. I ensured robust documentation through **Swagger** and spearheaded the development of a OAuth JWT Authentication module.

Pre-Joining Intern

Feb 2019 – May 2019

Wipro Limited

- Developed various hands-on projects using Python, Java (Spring, Hibernate), JavaScript and SQL.

Intern

May 2018 – Jun 2018

RC ALL Tech Power Systems Pvt Ltd

- My duties were developing a real-time water quality detector with a microcontroller and Wi-Fi module, ensuring their seamless operation by publishing the results to cloud and to track them on a mobile app.

Education Qualifications:

University of Missouri-Kansas City

Master of Science in Computer Science (Spec. in Software Engineering & Data Science)

Jan 2023 - May 2024

CGPA: 3.6/4

Jawaharlal Nehru Technological University

Bachelor of Technology in Electronics & Communications Engineering

Aug 2015 - May 2019

CGPA: 8.89/10 [Verified](#)

Academic Project / Research Details:

- Nine Men Morris Digital Board Game : Developed Nine Men Morris Digital Board Game based on Java and Java FX following software development life cycle and AGILE methodologies. [Git](#)
- Cloud based Real Time Traffic Monitoring : The goal of this project is to build a cloud-based traffic analysis system that can analyze the traffic data from historic data and current traffic data. The big data is processed through Kafka and analyzed through Spark framework to provide the analysis. [Git](#)
- College AI Chatbot: Developed the student chatbot app using NLP, TF-IDF, Cosine similarity & Flask. [Git](#)
- Proxy in Linux : Implemented various forward and reverse proxies like SQUID, HAProxy, nginx.
- Explored FPGA-based implementation of neural networks by training a simple ANN with backpropagation and deploying the trained model on a Zynq FPGA board.
- Quantum Safe Algorithm – XMSS for payment security : For the use in payment security data communication.