

Narasimha Naidu Kommi

Software Engineer

Location: NC | Phone: (980) 292-6002 | Email: komminarasimhanaidu@gmail.com | [Linkedin](#) | [github](#) | [Portfolio](#)

Summary

- **Around 3 years** of experience as a **Software Engineer** with a deep understanding and expertise in the core of complex technologies. Solid experience in analysis, design, development, testing, and deployment covering the full Software Development Life Cycle.
- Strong knowledge of Object-Oriented Design and Programming concepts and Experience in **Object Oriented Programming (OOP)** concepts using **Java & C++**.
- Possessed proficiency in both frontend (**HTML, CSS, and JavaScript**) and backend technologies (**Java, Spring Boot, and Node JS**), enabling comprehensive solution development.
- Demonstrated expertise in **AJAX, JSON, and XML** to improve system interoperability, complemented by skills in **Bootstrap** and **JQuery** for creating responsive and interactive web designs.
- Experience with Spring Boot 2.0x for streamlined application development and microservices architecture.
- Capable of building dynamic web applications using Java-based frameworks like **Spring Boot**, and proficient in integrating front- end technologies such as **React JS** for responsive and user-friendly interfaces.
- Engaged in web application development using **Spring Boot and Node JS frameworks**, employing the **Model-View-Controller (MVC)**.
- Experienced in **React.js** and working with **React.js components, Forms, Events, Keys, Router, Animations and React Flux concept**.
- Excelled in working with **relational databases** like **MySQL PostgreSQL and SQLite**, as well as **NoSQL databases** such as **MongoDB**, ensuring efficient data organization and retrieval.
- Experience in Design, Development and Implementation of **REST APIs using Spring Boot Framework** and development and deployment of **Cloud Applications** using **micro services** architecture on platforms like **AWS**.
- Worked with AWS services like **Elastic Block Store (EBS)** which provides persistent block storage **for EC2 instances, Simple Storage Service (S3)** which offers scalable object storage, and instance storage which provides temporary block-level storage on EC2 instances.

Technical Skills

Languages:	Java, C++, C, Python.
Methodologies:	Agile, SDLC & Waterfall.
Database:	Oracle, PostgreSQL, SQL Server, MySQL, NoSQL, MongoDB.
Cloud Technologies:	Code Pipeline, Code Build, Batch, EC2, ECS, SES, Lambda, DynamoDB, VPC, SQS, SNS, CI/CD.
Software Tools:	Liquibase, Grafana, Postgraphile, Git, DBeaver, Docker, Postman.
Framework:	Spring Boot, AngularJS, ReactJS, NodeJS, GraphQL, .NET, Django, REST APIs, object-oriented design.
Web technologies:	JavaScript, HTML, CSS.

Work Experience

Software Engineer Intern JPMC, NC

Jul 2023- Current

- Crafted pixel-perfect user interfaces (UI) with HTML, CSS, and JavaScript, meticulously adhering to design specifications, delivering visually stunning and user-friendly web applications.
- Proficiently designed and executed GraphQL APIs, reducing data transfer size by 40%, significantly enhancing application performance, and mitigating over-fetching and under-fetching of data.
- Leveraged server-side rendering techniques with React.js, boosting organic traffic by 30%, improving search engine rankings, and reducing page load times.
- Employed advanced front-end frameworks such as Node.js, facilitating the development of scalable and maintainable web applications, reducing development time by 20%, and increasing application stability by 15%.
- Led the development of RESTful APIs using Java and Spring, ensuring secure and efficient communication between front-end and back-end systems, resulting in a 99% decrease in security vulnerabilities and data breaches.
- Designed and optimized intricate database schemas using PL/SQL, ensuring efficient data storage, retrieval, and integrity, leading to a 20% reduction in query response times.
- Orchestrated Agile (SCRUM) development teams, ensuring streamlined sprint planning, backlog management, and continuous integration practices, boosting project velocity by 15%.
- Conducted comprehensive API testing and documentation using Postman, achieving a 98% success rate in API reliability and accessibility.
- Ensured cross-browser compatibility by rigorously testing and optimizing applications for various web browsers resulting in a 95% user satisfaction rate.

Software Engineer

Syscloud, India

- Excelled in front-end development, utilizing HTML, CSS, and JavaScript alongside modern frameworks like React JS, to create dynamic and user-centric interfaces.
- Developed highly scalable RESTful APIs, achieving 80% uptime and supporting over **10,000 concurrent users**, significantly boosting application reliability.
- Awarded "**Best Use of Java**" in a company-wide hackathon for developing an innovative AI-driven chatbot, showcasing dedication to creative Java solutions.
- Automated Continuous Integration and Deployment pipelines using Jenkins, streamlining software delivery, reducing deployment times by **40%**, and enhancing development efficiency.
- Managed datasets and performed complex MySQL database queries through Java, ensuring efficient data retrieval and manipulation.
- Designed and developed a centralized framework in collaboration with Application engineers to execute scheduled jobs with **AWS Batch**, resulting in a significant 58% reduction in operational costs.
- Implemented comprehensive testing strategies using Java testing frameworks, adhering to test-driven and behavior-driven development methodologies to ensure high code quality and reliability.
- Enhanced Meta Data Layer Framework, used to scale multi-cloud SaaS application backup and restore in the cloud by auto-generating SQL and GraphQL queries within **10 seconds** to feed into Postgraphile. Received external assistance from **Benjie Gillam**.
- Deployed Java-based cloud-native applications on AWS EC2, employing serverless architecture with AWS Lambda, achieving high uptime and reducing operational costs by 25%.
- Leveraged Java to implement advanced algorithms and data structures like Quicksort and Binary Search, solving complex programming challenges and optimizing application performance.

May 2021- Jul 2022

Software Engineer

Neebal Technologies, India

- Enhanced an open-source codebase to support modern cloud-native platforms, focusing on improving functionality and compatibility.
- Implemented various types of Grafana dashboards to visualize and track different errors and user actions, significantly reducing ticket resolution time by 40%
- Involved in building robust database models, APIs, and views using Java, contributing to the development of an interactive web-based solution.
- Established CI/CD pipelines for deploying PostgreSQL database schemas with Liquibase, resulting in a notable 45% reduction in deployment time.
- Designed and built a production-ready framework using DynamoDB, AWS SES to send weekly reports to over 60,000 users regarding disk and credit usage in the product.
- Implemented the MVC framework, developing Controller classes in Java for handling requests, processing form submissions, and performing validations.
- Designed and developed RESTful APIs and introduced new features for release and tracking history actions in modules, improving system functionality and user experience.
- Contributed significantly to shaping the System Health dashboards, introducing enhanced functionalities, additional data for monitoring databases, and proactive alerts to maintain optimal performance. This effort reduced system downtime by 15%.

May 2020- Apr 2021

Education & Certifications

University Of North Carolina Charlotte Master of Science in Computer Science	Charlotte, NC Aug 2022 - Dec 2023
Bachelor of Technology (Computer Science and Engineering) Lovely Professional University	India Aug 2017 – Jun 2021
AWS Certified Solutions Architect – Associate	

Projects

TradeXchange: (Java Back-end, Spring Boot MVC Architecture, Node.js, Express.js, AWS Services)

- Functionality: Developed a trading platform with an MVC architecture that enables authenticated users to trade items, with features like offer creation, watchlist management, and secure authentication.

BookTracker: (Tech Stack: HTML, CSS, JavaScript, React.js, AWS services)

- Functionality: Streamlined student book management through a comprehensive web application that serves three distinct user types. Facilitated efficient record-keeping of issued books, tracking borrowed books, due dates, and real-time availability.