

Swaroop Reddy

Full Stack Developer

+1 (334) 895-7008

Email: Swaroop@ensarsolutions.com

LinkedIn: [linkedin.com/in/swaroop-reddy](https://www.linkedin.com/in/swaroop-reddy)

Professional Summary

- Results driven and seasoned Full-Stack Developer with over 6+ years of experience in front-end and back-end development.
- Experience working in Agile and Waterfall methodology projects.
- Proven expertise in building high-quality websites, applications like ecommerce, and databases leveraging Java, Spring Boot, React, Redux, Next.js, TypeScript, Swagger, AWS (EC2, SNS, SQS, S3, CloudWatch), MongoDB, and MySQL.
- Strong command of Spring Boot MVC framework and RESTful API design. Adept at developing scalable, clean, and maintainable code ensuring exceptional performance and user experience.
- Experience working in various industry leading application/web servers, database, and tools.

Technical Skills

Databases	MySQL, Redis, MongoDB, PostgreSQL, Microsoft SQL Server, AWS Relational Database Service (RDS), Flyway
Languages	SQL, Java, JavaScript, TypeScript, NodeJS, HTML, CSS, PHP, AJAX, MVC framework
Frameworks/Libraries	Spring Boot, React, NextJS, Redux, Yii2, jQuery, Swagger, Material-UI (MUI)
Tools/Technologies	AWS EC2, IoT, S3, SQS, CloudWatch Logs, Postman, Jira, Confluence, Git, GTM, Docker, Kubernetes (K8s), Kafka, ELK stack (Elasticsearch, Logstash, Kibana), Firebase Authentication, JWT, WebSocket, Stripe, PayPal, Razorpay
IDEs	Eclipse, Workbench, Data Loader, VS Code
Testing	JUnit, unit tests, integration tests, end-to-end tests

Work Experience

Ensar Solutions Inc (June 2019 – Sep 2022) - Full Stack Web Developer

Project: E-Commerce (March 2022 – Sep 2022)

Designed and developed a scalable and responsive e-commerce platform using Java Spring Boot, Next.js, and TypeScript, ensuring optimal performance and user experience across devices.

- **Coding Standards:** Established comprehensive linting strategies and coding standards to maintain a clean and efficient codebase.
- **Authentication & Authorization:** Implemented secure mechanisms using Firebase Authentication, JWT (JSON Web Tokens), and role-based access control to safeguard user data and transactions.
- **Message Queuing & Streaming:** Integrated AWS SQS for reliable and scalable message queuing, and Kafka for real-time data streaming to handle inventory updates, order processing, and personalized user recommendations.
- **Database Management:** Used MongoDB for flexible and efficient data storage, ensuring high availability and scalability, and managed MySQL databases, including schema design, complex queries, and schema migrations using Flyway.
- **Containerization & Orchestration:** Containerized applications using Docker and managed container orchestration with Kubernetes (K8s), ensuring seamless deployment and scalability.
- **Logging & Monitoring:** Utilized the ELK stack (Elasticsearch, Logstash, Kibana) for centralized logging and monitoring, enabling proactive issue detection and system performance optimization. Monitored application performance and tracked system logs using AWS CloudWatch.
- **Caching:** Implemented Redis caching to enhance application performance, reducing load times and improving user responsiveness.
- **Payment Gateways:** Integrated multiple payment gateways, including Stripe, PayPal, Razorpay, and Cash on Delivery (COD), ensuring secure and seamless transaction processing for customers.
- **Real-Time Features:** Developed real-time order tracking and delivery updates using Kafka and WebSocket technology, providing customers with timely notifications and updates. Integrated live chat functionality using WebSocket in Spring Boot and Next.js for real-time customer support.
- **Testing & Version Control:** Ensured code quality and reliability through comprehensive unit tests, integration tests, and end-to-end tests, utilizing JUnit for automated testing. Proficient in Git for version control, including branching, merging, and collaborative development.
- **UI/UX:** Styled user interfaces using Material-UI (MUI), ensuring consistent and intuitive user experiences across devices.
- **Team Leadership:** Managed a cross-functional team of developers, providing technical leadership, task prioritization, and mentoring to deliver projects on time and within budget.
- **API Documentation:** Utilized Swagger (OpenAPI) for API documentation and testing, ensuring seamless integration and collaboration between frontend and backend teams.
- **AWS S3 Integration:** Implemented AWS S3 for efficient storage and retrieval of user-uploaded images, optimizing application performance and scalability.

Environment: Java Spring Boot, Next.js, TypeScript, Firebase Authentication, JWT, AWS SQS, AWS S3, Kafka, MongoDB, Docker, Kubernetes (K8s), ELK stack, Redis, Stripe, PayPal, Razorpay, WebSocket, Git, Material-UI (MUI), Swagger (OpenAPI), MySQL, CloudWatch, JUnit.

Project: Audit (Jan 2022 – March 2022)

- As a highly skilled Java Full-Stack Software Engineer, I have demonstrated experience in working with cutting-edge technologies such as **React.js, Spring Frameworks, and Spring Boot, MySQL**.
- Possess strong programming skills in **React & Next** and have hands-on experience with **TypeScript and React CLI**. Additionally, I am proficient in utilizing popular React libraries such as **react-bootstrap, react-router-dom, redux, redux-thunk, and axios, SSR**.
- Proficient in Spring Framework technologies, including **Spring Security, Hibernate ORM, POJOs, JDBC, JPA, and Spring Boot**, enabling the development of robust **RESTful web services and microservices**.
- I am highly skilled in **JWT Authentication and Firebase** and interceptor and possess a deep understanding of designing and developing RESTful Web Services.
- I am also highly proficient in handling **Unit Testing** with tools like **Jasmine and Karma**. Additionally, I have excellent technical skills and knowledge in relational databases, including **MS SQL Server, MySQL, and PostgreSQL**, with experience in CRUD querying operations.
- My experience in the entire process of Software Development Life Cycle (SDLC) enables me to provide valuable insights and guidance throughout the development process.
- Finally, my strong knowledge of Version Control tools such as **GitHub and Bitbucket**, as well as my experience in working collaboratively using Git, make me an invaluable asset to any development team. I am highly experienced in Agile/Scrum development environments and have familiarity in project management software such as JIRA and Azure DevOps.

Environment: React, Redux, Java Spring Boot, HTML, CSS, JavaScript, TypeScript, Swagger, Git, MySQL.

Project: Freedom Electronics (June 2019 – Jan 2022)

- Full-stack PHP development, proficient in all stages of web development, from conception to deployment.
- Comfortable with front-end technologies such as HTML, CSS, JavaScript.
- Good time management and organizational skills.
- Troubleshoot, test, and maintain the core product software and databases to ensure strong optimization and functionality.
- Writing back-end code and building efficient PHP modules.
- Developing back-end portals with an optimized database.
- Develop and deploy new features to facilitate related procedures and tools if necessary.
- Utilize source debuggers and write or modify client software.
- Produce results effectively and within the deadlines set.
- Write effective APIs.
- Write technical documentation.

Environment: PHP, Yii2 MVC, Java Spring Boot, HTML, CSS, Vue JS, jQuery, JavaScript, Git.

Delite Software Technologies Pvt Ltd (Aug 2017 – May 2019) - Software Engineer

Project: UNB Bank (Dec 2018 - May 2019)

- Designed and developed the UNB Bank web application using .NET C#, HTML, and CSS.
- Worked closely with the project manager and business analysts to gather requirements and ensure that the application met the needs of the business and its users.
- Created a data management system using .NET C# to import and export bulk data from Excel spreadsheets, increasing efficiency and reducing manual errors.
- Developed an import button using HTML and CSS to make the data management system more user-friendly and accessible.
- Worked in an Agile development environment, collaborating with a cross-functional team to deliver high-quality software on time and within budget.

Environment: .NET C#, HTML, CSS, Data Management, Excel, Agile Development.

Project: Site-IQ (Dec 2017 – Oct 2018)

- Deployed and maintained SiteIQ project infrastructure in the AWS Cloud environment, leveraging advanced cloud services and technologies.
- Utilized AWS CloudWatch Logs to create customized alarms and monitoring solutions, ensuring high availability and uptime of the platform.
- Utilized AWS IoT to connect and manage the project's distributed devices and sensors, providing real-time data and insights to end-users.
- Engineered Lambda functions to automate SiteIQ workflows and streamline development and testing processes.
- Conducted data analysis and transformation utilizing advanced Python techniques, such as data splitting and stripping, to extract valuable insights and improve overall project performance.
- Created and maintained EC2, RDS, and S3 instances to support the project's diverse and evolving storage and compute requirements.

Environment: AWS CloudWatch Logs, AWS IoT, AWS Lambda, Python, EC2, RDS, S3.

Project: RedBench (Aug 2017 - Dec 2017)

- Collaborated with a cross-functional team of developers, product managers, and content creators to design and develop the RedBench platform.
- Created wireframes, user flows, and interactive prototypes using Adobe XD to define and refine the user experience.
- Conducted user research and usability testing to gather feedback and iterate designs.

Environment: Adobe XD.

Education

- **Master of Science in Information Technology Management**, Campbellsville University, Louisville, KY (Graduated).
- **Bachelor of Technology (B.Tech.) in Electronics & Computer Engineering**, JNTUK, Vijayawada.