

EXPERIENCE

Programmer Analyst | 22nd Century Technologies

Jun 2024 - Current

- Led the migration of a monolithic JSP-based crash reporting system to a React JS and Spring Boot microservices architecture, reducing page load time by 40%. Rearchitected the frontend with component-based approach, lazy loading, and API-level caching, resulting in highly responsive UI, significantly enhancing user experience and operational efficiency.
- Designed the database schema, integrated backend services with external systems such as Purvis and Flock via REST APIs and implemented real-time schedulers using Java single-threaded and Lambda, reducing data sync latency by 60%. Documented query logic, database schema updates, and data flow diagrams in Confluence to support cross-team.
- Authored and optimized complex SQL queries, stored procedures, in Informix and Oracle, improving XML report generation speeds by 25% and supporting normalized data flow, maintaining referential integrity, and improving query performance.
- Programmed a Java-based Data Import/Export and Table Upgrade Automation Tool using Spring Boot, React JS, and Informix, enabling XML generation with preserved key relationships and automated schema migrations across versions, reducing manual migration efforts by 40 hours per release and cut schema upgrade time from 3 days to under 4 hours.
- Managed and mentored an offshore development team of 5+ engineers, conducted 30+ code reviews per release cycle, delegated tasks using Agile methodologies, and maintained 95% on-time delivery across 2 high-impact state agency projects, improving development efficiency by 20%.

Software Engineer Specialist | Dassault Systèmes, Pune, India

Aug 2021 - Dec 2022

- Architected the Schedule Tab feature, by collaborating with cross-functional teams and leveraging asynchronous programming in JavaScript, and processing of REST API requests using Spring Boot and GraphQL reducing latency to ~4 RPS.
- Utilized Redux for state management and optimized UI performance by integrating server-side pagination and reusable functional components, resulting in a 56% better page load time and smoother experience in PLM modules.
- Adopted Test Driven Development(TDD) with Jest, using mocking and stubbing techniques for comprehensive test coverage in an incremental development process, leading to 95% code coverage and significantly reducing post-release bugs.
- Engineered a reusable, modular roadmap component for PLM applications using JavaScript and RESTful APIs, enabling seamless integration across multiple platforms and reducing feature rollout time by 30%, while improving code reusability and maintainability.
- Utilized SVN version control and CI/CD pipelines to ensure consistent source code integration with Agile setup, improving code quality through code reviews for junior developers, resulting in reduction of critical bugs by 15%.

Software Engineer | Xoriant Solutions, Pune, India

Jul 2019 - Jul 2021

- Devised and developed RESTful microservices using Spring Boot and JAX-RS, adhering to microservices architecture best practices and supporting scalable backend services across multiple modules and deployed in docker containers.
- Adopted Spring Cloud Config Server for centralized configuration management and integrated Splunk for real-time, centralized logging and monitoring, enhancing observability across services.
- Built responsive frontend modules using Angular and Spring Boot, leveraging NPM, Gulp, and Flux for modular view rendering and efficient routing, improving load performance and developer productivity.
- Engineered a medicine recommendation platform with Angular and web scraping techniques, enriching content with 1,000+ medicine images, extending the UI to React Native, enabling seamless cross-platform access on iOS and Android.
- Refactored 100,000+ lines of legacy Java code for Disney's Android gaming app, applying code modularization, memory management improvements, and lazy loading techniques to boost app performance, enabling multilingual support, and significantly increase user engagement and retention.
- Resolved high-priority production issues through detailed root cause analysis and built a Java-based Scheduled Task Monitor using Windows Task Scheduler, resulting in a 30% improvement in system reliability and uptime.

EDUCATION

Masters in Computer Science: George Mason University.

Jan 2023 - May 2024

Bachelors in Information Technology: BVRIT Hyderabad, India.

Aug 2015 - May 2019

TECHNICAL SKILLS

- **Programming Languages:** HTML5, CSS3, JavaScript, TypeScript, ES6, Ruby, Python, Java
- **Libraries:** SASS, LESS, Bootstrap, jQuery, AJAX, React JS, Redux, Angular, NgRx, Node JS, Express, NextJS, Vue JS, Flask, Django, GraphQL, MUI, Tailwind CSS, DOM, Angular CLI, Karma, JUnit
- **Database:** SQL, NoSQL, Oracle, MySQL, PostgreSQL, Informix, MongoDB, SQL Server, DBeaver, DBSchema
- **Cloud Computing:** AWS (EC2, S3, Lambda, DynamoDB, CloudWatch), Google Cloud, Kubernetes
- **Tools & IDE:** SVN, Bitbucket, JIRA, NPM, Babel, Webpack, Yarn, CI/CD, Postman, Confluence, Visual Studio Code, Atlassian, Eclipse, Maven, Gradle, Docker, Hibernate, Mocha
- **Techniques:** Micro-services, Web Services, Memoization, Throttling, Debouncing, Design Patterns, Software Development Life Cycle, web development, MVC, MVP, WebRTC, Web Sockets, UI/UX design, JWT, DOM, JSON, Cookies, CDN

CERTIFICATIONS

- [AWS Cloud Practitioner](#)

Sept 2024 – Sept 2027