CHAITANYA MADIPALLY

LinkedIn Personal-Portfolio

E-mail: chaitumadipally@gmail.com **Phone: +1(515)-715-7551**

PROFESSIONAL SUMMARY

- Focused professional with over 6 years of experience in application development with a strong understanding of software development best practices, design patterns, and architectural principles.
- Proficient in user experience design, software testing, and best practice implementation using JavaScript, React.js, HTML, CSS, and Node.js.
- Skilled in developing and directing software system testing and validation procedures, programming, and documentation.
- Proven expertise in optimizing application performance, leading development teams, and working with cross-functional teams.
- Versatile professional experienced as both a developer and team leader, with a deep understanding of Agile methodologies.

TECHNICAL SKILLS

- Operating Systems: Windows, Linux, MacOS
- Development: JavaScript, React.js, Node.js, HTML5, CSS3, Java, AJAX, jQuery, npm/yarn
- Databases: MySQL, MSSQL
- Version Control Tools: Git, GitHub, GitLab CI/CD
- Code Quality & Monitoring Tools: SonarQube, Snyk, Gerrit, ELK Stack
- Tools: Eclipse, VS Code (with Cloud IDEs), Sublime Text, Postman/Insomnia, JIRA, Confluence, Jenkins, Docker, Kubernetes, Nexus

PROFESSIONAL EXPERIENCE

Genworth - Raleigh, NC
Software Engineer (JavaScript, React.js, Node.js, HTML5, CSS3, npm/yarn, CI/CD, AJAX, MySQL) **March 2023 - August 2024**

- Developed fraud detection algorithms in Node.js to analyze mortgage application data, identifying patterns in loan applications for early fraud detection. Built an intuitive React.js dashboard for real-time monitoring of mortgage claims and risk scores, enhancing user interaction efficiency and satisfaction among underwriting teams.
- Implemented responsive UI with CSS3, Flexbox, and Grid, enabling seamless access across devices, leading to a 25% increase in mobile engagement by Genworth's claims analysts and an improvement in user satisfaction.
- Integrated front-end with back-end APIs using jQuery AJAX, allowing real-time data updates on mortgage risk assessments, which improved system performance by enabling faster data flow.
- Optimized data storage and processing for mortgage claims using MySQL, achieving a 30% faster query response time for analyzing large volumes of claim data, aiding in quicker decision-making.
- Created RESTful APIs using Express.js to enable smooth communication between the React front-end and the back-end, reducing API latency by 40% and improving the overall responsiveness of the mortgage claims application.
- Managed project dependencies and optimized build processes with npm and Yarn, ensuring consistent package management, reducing build times by 30%, and streamlining deployment processes for Genworth's internal mortgage application.
- Tested integration between front-end and back-end services using Jest, identifying and resolving critical bugs pre-deployment to ensure system reliability.
- Utilized Visual Studio Code debuggers to track and resolve errors during development, reducing debugging time by 30% and increasing overall development efficiency.
- Refactored API logic to reduce database calls and implemented caching for commonly queried data, which enhanced system response times and supported faster mortgage application assessments.
- Applied indexing on key MySQL tables, improving query performance for fraud-related data and resulting in a faster mortgage fraud detection process.
- Set up CI/CD pipelines using Jenkins to automate building, testing, and deployment processes, reducing deployment time by 50% and enabling continuous integration for rapid updates to the mortgage application.
- Analyzed bug trends to prioritize fixes for critical issues affecting user experience, reducing the recurrence of major bugs.
- Regularly updated fraud detection algorithms to reflect emerging patterns in mortgage application fraud, increasing detection efficiency and safeguarding the integrity of the loan approval process.
- Created comprehensive documentation for developers and users, reducing onboarding time for new team members.
- Collaborated with stakeholders to gather and analyze business needs for detecting fraudulent claims, including specific metrics like claim frequency, abnormal amounts, and mismatched services, reducing gaps in system requirements.
- Documented technical specifications, including wireframes and back-end logic for fraud detection, ensuring alignment between business and technical teams, resulting in reduction in project delays.

Ericsson (Tata Consultancy Services) - Hyderabad, India
Software Engineer (JavaScript, React.js, Node.js, Java, HTML5, CSS3, CI/CD) **April 2020 - August 2022**

- Led the design and development of innovative software features for the ENM project, significantly enhancing network performance diagnostics and improving overall operational efficiency, contributing to a substantial reduction in network downtime and operational costs.
- Designed RESTful APIs using Node.js and JavaScript to ensure seamless integration with front-end components, enhancing data flow.
- Built responsive design layouts using CSS3 media queries, Flexbox, and Grid to ensure compatibility across devices, including mobile, tablet, and desktop, leading to an increase in mobile traffic.
- Developed user-friendly interfaces for network configuration tools, reducing UI issues by 30% as tracked by bug reports and user feedback.

- Designed intuitive navigation structures for network management systems through UI development, reducing navigation complexity by 25%.
- Implemented role-based access control (RBAC) using Node.js, ensuring that different users (e.g., admin, customer) have access to specific features and data, leading to a 50% reduction in unauthorized access.
- Utilized npm/yarn for managing third-party packages in both React and Node.js projects, streamlining development processes.
- Implemented comprehensive testing strategies to validate software functionality and performance, which included code reviews and utilizing tools like SonarQube to detect and prevent vulnerabilities.
- Refactored code for optimization to improve performance and maintainability, reducing page load times through lazy loading and code splitting in React.js, resulting in reduction in page load times and improving overall user engagement.
- Set up continuous integration/continuous deployment (CI/CD) pipelines using GitLab CI/CD for automatic testing, building, and deployment of the web application, ensuring faster delivery cycles and reducing manual intervention.
- Integrated Docker with Jenkins for continuous integration and delivery, streamlining deployment processes and improving application update speeds while reducing errors in releases.
- Conducted regular code reviews and provided constructive feedback to team members, fostering a culture of continuous improvement and learning, which increased code quality and team productivity by 17%.
- Collaborated with stakeholders to analyze requirements, addressing bugs to improve user satisfaction.
- Monitored and addressed bug reports using JIRA by performing root cause analysis to resolve issues, reducing bug occurrences post-launch.
- Demonstrated leadership in Agile environments by actively contributing to sprint planning, retrospectives, and project strategy.

Associate Software Engineer (JavaScript, HTML5, CSS3, Java, Jenkins) **July 2017 - April 2020**

- Developed comprehensive user interfaces and back-end APIs using JavaScript and Java, facilitating seamless data flow and interactions to enhance operational KPIs.
- Delivered customer-focused software solutions that addressed client requirements, improved network efficiencies, and enhanced operational KPIs through comprehensive testing, validation, and deployment.
- Optimized performance applications for Mini-Link Indoor network elements in ENM using Java, automating critical tasks and streamlining network management processes, boosting operational efficiency and productivity by 30%.
- Addressed critical issues such as Daylight Saving Time (DST) adjustments and managed software updates to ensure continuous reliability.
- Resolved high-priority bugs identified during performance and load testing of the developed product within tight timelines, reducing post-release issues by 25% compared to previous releases.
- Utilized Visual Studio Code in cloud-based IDE environments to streamline front-end and back-end development, enabling real-time collaboration with global teams on network monitoring tools for telecommunications.
- Integrated automated testing suites into Jenkins, achieving a 90% pass rate on all tests before deployment, preventing critical bugs from reaching production.
- Developed detailed documentation, including user manuals and technical specifications, to facilitate quick troubleshooting during updates.
- Delivered regular project demos to stakeholders, showcasing new features and performance improvements, leading to a 95% satisfaction rate among stakeholders.
- Mentored junior developers, conducted code reviews, and provided feedback to promote a culture of continuous improvement and learning, which increased code quality and team productivity by 17%.
- Worked extensively with system analysts, engineers, programmers, and stakeholders to develop system specifications, performance requirements, and user-centered design solutions, ensuring seamless communication and alignment with business goals.
- Improved application performance using lazy loading and AOT compilation, decreasing page load times by 25%.
- Maintained version control and manage branches using Git, ensuring that multiple developers can collaborate without conflicts.

EDUCATION

Gokaraju Rangaraju Institute of Engineering and Technology
Bachelor of Technology in Electronics and Communication Engineering - Hyderabad, India

AWARDS & HONORS

Customer Appreciation Certificate, Ericsson - *Received for exceptional service and contributions to customer satisfaction - June 2022*
'Star of the Month' Award, TCS - *Recognized for successfully leading and delivering the entire main requirement (MR) from comprehensive requirements analysis to final implementation and delivery - June 2021*
'On the Spot' Award, TCS - *Awarded for excellence in bug detection during functional, performance, and security testing, significantly reducing post-release issues - May 2021*