

PAVAN KUMAR BUDITHI

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PROFESSIONAL SUMMARY

Detail-oriented and performance-driven Full Stack Developer with over 2.5 years of experience designing, developing, and deploying scalable web applications in Agile environments. Adept at building dynamic user interfaces with Angular and React, crafting robust backend APIs using Spring Boot and Node.js, and deploying full-stack applications on AWS. Proven ability to improve system performance, enhance user experiences, and streamline CI/CD pipelines. Known for strong problem-solving skills, cross-functional collaboration, and delivering production-ready code aligned with business needs.

TECHNICAL SKILLS

Frontend Development: HTML5, CSS3, JavaScript, TypeScript, React.js, Angular, Bootstrap, Material UI, SASS

Backend Development: Java, Spring Boot, Node.js, Express.js, RESTful APIs, Hibernate, Microservices Architecture

Databases: MySQL, PostgreSQL, MongoDB, Oracle, Redis, Firebase Firestore

DevOps & CI/CD: Docker, Jenkins, GitHub Actions, Maven, Kubernetes (basics), Git, GitLab CI, NGINX

Cloud & Hosting: AWS (EC2, S3, RDS, Lambda, API Gateway), Azure App Services, Heroku, Netlify

Testing & Debugging: JUnit, Mockito, Selenium, REST Assured, Postman, Chrome DevTools, ESLint, SonarQube

Project & Collaboration Tools: Trello, Slack, JIRA, Confluence, Microsoft Teams, VS Code, Eclipse, IntelliJ IDEA

PROFESSIONAL EXPERIENCE

Juniper Networks – Remote

Full Stack Developer | Jul 2024 – Present

- Developed a web-based network infrastructure monitoring portal using Angular 14 and Spring Boot, enabling real-time visibility into 2,000+ devices and reducing incident response times by 35%.
- Engineered RESTful APIs to integrate with internal tools for configuration audits, improving automation coverage and data consistency.
- Implemented AWS-hosted microservices with Docker containers and automated deployment pipelines using GitHub Actions and Jenkins, streamlining release cycles by 40%.
- Enhanced application security by integrating OAuth 2.0 for single sign-on and implementing fine-grained access control for enterprise users.
- Tuned PostgreSQL queries and added indexes to optimize report generation performance, reducing response times from 8s to under 2s.
- Led daily standups, sprint planning, and code review sessions in a distributed Agile team using JIRA and Confluence for collaboration.
- Created reusable Angular components with lazy loading and state management to enhance frontend performance and scalability.
- Collaborated with QA to define automated test cases using Selenium and REST Assured, increasing test coverage to 85%.
- Maintained comprehensive documentation for API endpoints, deployment procedures, and troubleshooting playbooks.

Tech Mahindra

Java Full Stack Developer | Jul 2021 – Jul 2022

- Built and maintained microservices for a telecom client's customer portal using Spring Boot, enhancing scalability and reducing response latency by 30%.
- Designed dynamic user interfaces with Angular and integrated them with backend APIs to enable customer self-service features like billing, plan upgrades, and service requests.
- Refactored legacy Java codebases to modern Spring Boot architecture, improving code maintainability and deployment reliability.

- Integrated third-party services via REST APIs and configured Swagger documentation for seamless collaboration with frontend teams.
- Implemented role-based access control using Spring Security to ensure secure authentication and authorization workflows.
- Optimized Oracle SQL queries and introduced caching strategies to enhance database efficiency during peak usage hours.
- Participated in sprint ceremonies, requirement analysis, and user story grooming to deliver features aligned with client expectations.
- Developed unit and integration tests with JUnit and Mockito, ensuring code reliability before deployment.
- Used Jenkins pipelines and Docker to automate builds, reducing manual effort and deployment errors.

Mphasis

Software Developer | Jul 2020 – Jul 2021

- Contributed to the development of enterprise HR and asset tracking applications using React.js for the frontend and Node.js with Express for the backend.
- Designed and consumed RESTful APIs for CRUD operations, reducing backend load by implementing efficient pagination and filtering logic.
- Built custom components and reusable hooks in React to standardize UI behavior and reduce development redundancy.
- Integrated JWT-based authentication to protect sensitive routes and implemented session timeout logic for added security.
- Performed database schema design and created optimized MongoDB queries for handling complex reporting modules.
- Improved CI/CD processes by writing GitHub Action workflows for test execution, code linting, and container builds.
- Participated in daily scrum meetings and collaborated with cross-functional teams using Slack and Confluence.
- Resolved production bugs and contributed to on-call support rotations, maintaining high system availability and SLA compliance.
- Created internal documentation and user guides to support onboarding and knowledge transfer within the team.

Software Developer Intern | Jan 2020 – Jun 2020

- Supported the design and development of a leave management module within the HR portal using JavaScript and React.js.
- Created REST API endpoints using Express.js and connected them to MongoDB collections for leave request tracking.
- Assisted in writing unit tests using Jest and participated in peer code reviews to ensure code quality.
- Gained hands-on experience with Git version control, Agile practices, and team collaboration via JIRA and Trello.
- Conducted UI testing and provided suggestions to improve usability based on stakeholder feedback.

EDUCATION

University of Texas at Arlington, Arlington, TX

Master of Science in Computer Science | Aug 2022 – May 2024

Jawaharlal Nehru Technological University, Kakinada, India

Bachelor of Technology in Information Technology | Aug 2016 – Jun 2020

Relevant Coursework: DBMS, Data Structures, Java, Web Development, JavaScript, Algorithms, Operating Systems