

SONGA PRADEEPTHI

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PROFESSIONAL SUMMARY

Full-Stack Developer with expertise in **Java, JavaScript, React.js, Node.js, and Spring Boot**, specializing in **Microservices, RESTful APIs, and cloud deployments**. Skilled in **CI/CD pipelines, Docker, Kubernetes, Azure, and AWS**, ensuring scalable and efficient system performance. Strong background in **OAuth 2.0, JWT authentication, database optimization, and Agile methodologies**. Proven ability to **reduce API response times by 40%** and enhance **application throughput by 25%**. Certified **Meta Back-End Developer, Oracle Certified Associate, and Microsoft Azure Developer Associate**. Passionate about building secure, high-performance applications.

EDUCATION

Northeastern University <i>Master of Science in Informations systems</i> Relevant Courses: <i>Application Engineering & Development, Web Design and User Experience Engineering, User Experience Design and Testing, Advanced Medical Device Software engineering, Data Management and Database, Data Science, Software Quality Control and Management, Agile Software Development</i>	Boston, MA April 2025
National Institutes of Technology <i>Bachelor of Technology in Materials Science and Engineering</i> Relevant Courses: <i>Data Structures & Algorithms, Computer Programming, Computational Methods, Machine Learning for Data Science and Analytics, Biomaterials Bio Imaging, Principles of Management, Algorithm and Data Structures</i>	Calicut, India May 2023

WORK EXPERIENCE

JPMorgan Chase & Co. – Full-Stack Developer Intern New York, NY Oct 2024 – Present <ul style="list-style-type: none">Developed a financial planning tool using React, Node.js, and MongoDB, improving client onboarding efficiency by 30% and enhancing user satisfaction by 20%.Optimized backend services using Java and Spring Boot, reducing API response times by 40% and increasing application throughput by 25%.Designed and implemented RESTful APIs with Spring Boot and Hibernate, improving data access efficiency and scalability.Integrated microservices architecture to enhance application modularity and maintainability, ensuring seamless data exchange across different services.Implemented security protocols including OAuth 2.0 and JWT authentication, enhancing data security and ensuring compliance with industry regulations.Built and deployed a CI/CD pipeline using Jenkins, Docker, and Kubernetes, decreasing deployment times by 60% and minimizing production errors by 35%.Led a database optimization project using PostgreSQL, achieving a 50% reduction in query processing times and improving overall system performance by 20%.Collaborated with UX designers, product managers, and fellow developers to launch a mobile banking app feature using React Native, resulting in a 15% increase in mobile user engagement and a 10% rise in customer retention.	
Version 1, Full-Stack Developer Bangalore, IN May 2022 – July 2023 <ul style="list-style-type: none">Developed responsive financial dashboards using React.js, integrating D3.js and Chart.js to visualize real-time KPIs, transaction summaries, and account balances, ensuring optimal performance across devices.Built customer-facing online banking applications with React.js, enabling seamless account management, fund transfers, bill payments, and financial product applications while ensuring data validation and accuracy.Conducted security audits and compliance assessments for banking applications, ensuring adherence to regulatory standards, enhancing data integrity, and strengthening customer trust.Designed & implemented RESTful APIs using Spring Boot in Microservices architecture, leveraging an API Gateway for coordination and using Spring JPA for efficient MySQL database interactions via Docker.Optimized deployment workflows by designing an Azure DevOps CI/CD pipeline, automating deployments, and integrating a data ingestion pipeline for seamless external data integration.Managed microservices deployment to Kubernetes Pods, utilizing CLI for Auto-Scaling and Load Balancing, improving system resilience and performance.Adopted Test-Driven Development (TDD), refactored React components for performance enhancements, and integrated third-party APIs to expand web application capabilities.	

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, SQL, NoSQL Frontend Development: React.js, React Native, Redux, Context API, HTML5, CSS3, SASS, JavaScript (ES6+) & TypeScript, Data Visualization: D3.js, Chart.js Backend Development: Node.js, Express.js, RESTful APIs & GraphQL, Microservices Architecture, OAuth 2.0, JWT, Role-Based Access Control, API Gateway (Spring Cloud, Kong, Nginx) Databases: PostgreSQL, MySQL, MongoDB, Database Optimization & Query Performance Tuning Cloud & DevOps: Microsoft Azure, AWS (EC2, S3, Lambda, RDS), Jenkins, Azure DevOps, GitHub Actions, Docker, Kubernetes, Terraform, Helm, Prometheus, Grafana, ELK Stack Testing & Performance Optimization: Test-Driven Development (TDD), JUnit, Mockito, Jest, Enzyme, JMeter, Gatling, Performance Tuning & Code Refactoring Performance Tuning & Code Refactoring: Git, GitHub, GitLab, Bitbucket, Agile & Scrum Methodologies, Jira, Confluence	
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PROJECTS

Hospital Management System Website (<i>React.js, Redux, Node.js, AWS, Docker, Jest, Mocha</i>) <ul style="list-style-type: none">Developed and deployed a hospital management system with JWT authentication and AWS hosting, enabling seamless patient registration, appointment scheduling, and doctor management.Implemented Redux for efficient state management, Docker for containerization, and Jest/Mocha for unit and integration testing.Followed Agile methodologies using JIRA and Bitbucket, ensuring efficient collaboration and continuous integration.	
SparkleJewels (<i>React.JS, SASS, Node.JS, Express.JS, MongoDB</i>) <ul style="list-style-type: none">Developed a visually appealing and user-friendly e-commerce website for a jewelry store, allowing customers to browse and purchase a wide variety of jewelry products with secure payment integration.Designed a responsive, mobile-friendly UI using ReactJS and SASS, ensuring a seamless shopping experience across devices.Built a robust backend with Node.js and Express.js, managing product listings, user accounts, and order transactions efficiently. Integrated MongoDB to store product details and customer data securely.	

CERTIFICATIONS

- Meta Back-End Developer Professional Certificate
- Oracle certified Associate
- Azure Developer associate, Microsoft