Babuji Telagathoti
Front-End / AI-Focused Full Stack Developer
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GitHub: https://github.com/btelagathoti | Portfolio: https://babujit.netlify.app

Professional Summary

AI-focused Full Stack Developer with 4+ years of experience building scalable, real-time web applications using React.js, Node.js, and AWS cloud-native services. Demonstrated expertise in AI-integrated healthcare solutions and e-commerce platforms. Proficient in designing high-performance front-end systems, serverless backends using AWS Lambda, S3, EC2, and delivering production-grade ML-enhanced solutions.CI/CD pipelines, infrastructure-as-code, and Agile delivery environments. Currently pursuing AWS Certified Solutions Architect.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, HTML5, CSS3
- **Frontend:** React.js, Angular, Redux, Tailwind CSS, Bootstrap, Sass, Responsive UI
- **Backend:** Node.js, Express.js, REST APIs, GraphQL
- **Cloud & DevOps:** AWS (Lambda, EC2, S3, API Gateway, DynamoDB, IAM), Azure (Functions, Cosmos DB), Jenkins, GitHub Actions, CI/CD
- **Databases:** MongoDB, PostgreSQL, MySQL, SQL Server
- **Tools:** Git, Postman, JIRA, Lighthouse, WebPageTest
- **Other:** Agile/Scrum, OAuth2, JWT Auth, Kafka (basic), SQS

Professional Experience

Full Stack Developer
UF Health – Jacksonville, FL
Aug 2023 – Present

- Developed AI-powered patient billing and diagnostics dashboard using React.js and Python, streamlining medical checkout flows by 45%
- Integrated GenAI-driven recommendation engine for appointment and insurance suggestions
- Migrated modules to Azure Functions and Cosmos DB, enhancing fault tolerance and uptime to 99.95%
 - Improved system latency by 60% via REST API optimization and frontend performance tuning
- Designed secure APIs and deployed serverless applications using AWS Lambda, API Gateway, and S3

Front-End Developer
Cognizant Technology Solutions – India (Nike E-Commerce)
Aug 2021 – Dec 2022

- Led front-end architecture and state management in a MERN-based enterprise portal for product lifecycle automation
- Created 20+ reusable components using React, Redux, Tailwind CSS to support content delivery
 - Integrated REST and GraphQL APIs, reducing load times by 30% in internal knowledge systems
- Built unit test coverage to 85% and contributed to CI/CD pipelines with GitHub Actions

Projects

Film Club App (MERN Stack)

- Developed a subscription-based film platform supporting 500+ users with actor/director-based discovery
- Created 15+ performant REST APIs with <200ms response time using Node and Express
 - Enabled fast actor/director search with MongoDB indexing; reduced lookup latency by 40%
- Secured app using JWT authentication and achieved 99.9% uptime in test deployment

Education

M.S. in Information Technology
St. Francis College – Brooklyn, NY
Expected Dec 2024

B.E. in Electrical Engineering
KL University – Vijayawada, India
May 2021

Certifications

- AWS Certified Developer – Associate *(2024)*
- AWS Certified Solutions Architect – Associate *(In Progress)*
- AWS Certified Machine Learning – Specialty *(2023)*
- AI for Everyone – Coursera (Andrew Ng)
- Front End Development Libraries – freeCodeCamp
- E-Commerce with ReactJS – Udemy

AWS Highlights for the Role

- Designed and deployed end-to-end full stack applications using AWS Lambda, API Gateway, EC2, and S3
- Implemented CI/CD pipelines and infrastructure-as-code for scalable deployments
- Used DynamoDB and SQS to support high-throughput systems for healthcare and e-commerce solutions
- Applied IAM security best practices and CloudWatch for operational monitoring and resilience