

Manmohan Boyina

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PROFESSIONAL SUMMARY

Professional in Web Development and Digital Programming with three years of expertise creating scalable, full-stack Java, TypeScript, React.js, and Node.js applications. Oversaw the creation of responsive user interfaces, 30% increase in code efficiency. Managed databases for more than ten applications, 45% of which enhanced query performance with careful indexing and schema design. AWS Certified Associate Developer with strong knowledge of Agile methodologies, CI/CD pipelines, and a proven ability to deliver high-quality, production-ready solutions.

EDUCATION

MS in Computer Science | Indiana University | Bloomington, IN

August 2023 - May 2025

Bachelor of Technology in Computer Science | Koneru Lakshmaiah University | Vijayawada, India

June 2016 - May 2020

TECHNICAL SKILLS

Programming, Scripting Languages & Libraries: Java, Python, SQL, HTML, CSS, JavaScript, TypeScript

Frameworks & Tools: Angular.js, React.js, React Redux, React Native, Node.js, Express.js, Docker, Kubernetes, MongoDB, SQL, GitHub, Jenkins, Jira, Redis, Jest

DevOps: AWS- S3/EC2/SQS/IAM, GCP, AWS(SaaS)

Others: Scrum and Agile Methodologies, SOAP Services, Web Design, RESTFUL API, OOPS concepts, Project Planning, JWT, Task Management, Data Structures and Algorithms, System Design, Micro Frontend infrastructure, Software Development, Debugging

PROFESSIONAL EXPERIENCE

Verizon Data Services: *Software Developer-II*

July 2021 – July 2023

- **Frontend Development:** Incorporated responsive user interfaces using React.js, Angular.js, and UI libraries to deliver reusable components that increased development efficiency by 30% and Strengthened user experience
- **Backend Development:** Built and maintained scalable server-side applications using Node.js and Express.js to deliver high-performance RESTful APIs that elevated system reliability and response time by 25%
- **Database Management:** Designed and managed MongoDB databases using Mongoose to implement optimized schemas, indexing, and performance tuning that boosted query efficiency by 35%
- **State Management and API Integration:** Managed application state using Redux and Thunk middleware, integrating Axios to enable seamless front-end and back-end data flow that reduced API response handling time by 40%
- **Software Development and Collaboration:** Architected microservices using JavaScript, modular programming, and asynchronous techniques to accelerate software delivery by 30%; received positive feedback from senior management. Used Docker, Kubernetes, and Kibana for scalable deployment and performance monitoring

Verizon Data Services: *Software Developer-I*

August 2020 – June 2021

- Built Angular components and integrated Guidewire features to develop single-page applications, cutting development time by 40% and improving user experience
- Improved application performance by analyzing JavaScript with Chrome Developer Tools to identify memory issues, reducing service interruptions and enhancing system stability by 25%
- Led QA and feature rollouts for a 10-member agile team using iterative development to deliver a client portal that increased client-reported satisfaction scores by 40%
- Streamlined package management with npm and integrated Jest and Selenium into the CI/CD pipeline to automate testing, eliminating ~30 hours of manual QA per sprint and accelerating release cycles

PROJECTS

- **Master-Chef | React Native, Node.js, MongoDB, API:** Engineered a recipe app enabling users to search for and add own recipes, improving user engagement through efficient backend services and a responsive interface. Integrated user authentication, search functionality, and recipe storage using MongoDB, ensuring scalability and seamless data management. Created the frontend with React Native for cross-platform support, optimizing the app for performance on both iOS and Android devices
Repo URL: github.com/ManmohanBoyina/Master-Chef
- **Insider Jobs | React.js, Node.js, MongoDB, API:** Designed and devised a job applications website using React.js for the front end, Node.js and Express.js for the backend, and MongoDB for the database, enabling seamless interactions between recruiters and applicants. Optimized database queries and API performance, improving data retrieval speed by 30% and enhancing overall user experience. Implemented secure authentication and role-based access control to ensure a smooth and efficient hiring process
Repo URL: github.com/ManmohanBoyina/InsiderJobs

ACHIEVEMENTS

- Won first place in an internal Hackathon at Verizon by building an innovative tool that streamlined user operations
- Recognized twice as Employee of the Month at Verizon for performance and key project contributions
- Completed more than 250 LeetCode projects, therefore enhancing coding abilities and enabling efficient code writing