Manmohan Boyina

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PROFESSIONAL SUMMARY

Software Developer with 3 years of experience in building scalable, full-stack applications using Java, TypeScript, React.js, and Node.js. Led the development of responsive user interfaces, improving code efficiency by 30%. Managed databases for 10+ applications, optimizing query performance by 45% through effective schema design and indexing. AWS Certified Cloud Practitioner and Developer Associate 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   **May 2025**
Bachelor of Technology in Computer Science | Koneru Lakshmaiah University | Vijayawada, India   **May 2020**

TECHNICAL SKILLS

Programming, Scripting Languages & Libraries: Java, Python, SQL, HTML, CSS, JavaScript, TypeScript
Frameworks & Tools: AngularJS, React.js, React Redux, React Native, Node.js, Express.js, Docker, Kubernetes, MongoDB, SQL, GitHub, Kibana, Jira, Redis, Figma
DevOps: AWS- S3/EC2/SQS/IAM, GCP, AWS(SaaS)
Others: Scrum and Agile Methodologies, CI/CD pipelines, SOAP Service, RESTful API, JWT, Task Management, Data Structures and Algorithms, System Design, Micro Frontend infrastructure, Software Development, Debugging, Microservice architecture

PROFESSIONAL EXPERIENCE

Verizon Data Services: *Software Engineer II*   **July 2021 – July 2023**

- Designed and maintained 25+ responsive UIs using React.js and Angular.js, improving code efficiency by 30%. Used Material-UI, Ant Design, and Bootstrap to build reusable components, reducing development time by 40%.
- Built and maintained backend systems and 30+ RESTful APIs using Node.js, Express.js, and GraphQL. Deployed security measures, reducing API issues by 40% and improving system stability.
- Managed MongoDB for 10+ applications, boosting query performance by 45% through schema and index optimization. Leveraged Mongoose for streamlined data modeling, enabling scalable and maintainable systems.
- Integrated Axios within the data layer, to handle 1000+ requests/second across 5+ microservices, optimized processing speeds by 30% and improved real-time data delivery to end-users.
- Automated infrastructure provisioning using Terraform, reducing manual effort by 60% and ensuring consistent deployment across different environments, including development, testing, and production.
- Converted client needs into functional solutions, overseeing design, testing, and deployment phases. Engineered performant apps with JavaScript and async methods; used Docker, Kubernetes, and Kibana to boost scalability and performance by 35%.

Verizon Data Services: *Software Engineer I*   **August 2020 – June 2021**

- Built custom Angular components and integrated Guidewire solutions to streamline insurance workflows, reducing development cycles by 40% and improving user experience.
- Upgraded application performance by profiling JavaScript code with Chrome Developer Tools, resulting in a 40% decrease in memory leaks and preventing service disruptions.
- Steered the development of a client portal by coordinating QA and feature rollouts of a 10-member agile team, which drove a 40% increase in client-reported satisfaction scores.
- Integrated automated testing frameworks (e.g., Jest, Selenium) into the CI/CD pipeline, decreasing manual testing efforts by 30 hours per sprint and accelerating release cycles.

PROJECTS

Master-Chef | React Native, Node.js, MongoDB, API:

- Built a recipe app allowing users to search and add personal recipes, with user authentication and search features integrated for improved engagement. Used MongoDB for scalable recipe storage and efficient data management.
- Developed the frontend using React Native for cross-platform compatibility, optimizing performance for both iOS and Android devices to ensure a smooth user experience.
  Repo URL: github.com/ManmohanBoyina/Master-Chef

Insider Jobs | React.js, Node.js, MongoDB, API:

- Designed and developed a job applications platform using React.js, Node.js, Express.js, and MongoDB, enabling seamless interactions between recruiters and applicants.
- Optimized database queries and API performance to improve data retrieval speed by 30% and implemented secure authentication with role-based access control for a streamlined and secure hiring process.
  Repo URL: github.com/ManmohanBoyina/JobPortal

CERTIFICATIONS

- AWS Certified Developer Associate