MONIK PRIYATHAM KATLA

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Education

California State University, Long beach   **Jan 2023 - Dec 2024**

Master of Science in Computer Science   *4.0 / 4.0*

Coursework: Advances software Engineering, Programming Languages, Software Maintenance, Application development

Jawaharlal Nehru Technological University   **Jul 2017 - May 2021**

Bachelor of Technology in Computer Science and Engineering, India

Technical Skills

Software Development: Agile, Scrum methodologies, SDLC (Software Development Life Cycle**)**

Languages and Frameworks: Python, Java, JavaScript, C++, C#; Django, TensorFlow, PyTorch, Machine Learning, NumPy, Pandas, Keras, React Native, Redux, Jest, RealmJs, spring MVC, spring, ReactJS, Angular, OOP (object-oriented Programming), Design Patterns

Frontend: HTML, CSS, Node.js, React Native, Redux, Bootstrap, GraphQL

Backend Development: Go, RESTful APIs, Microservices, SQL, NoSQL, Mux, Gin libraries.

Databases: MySQL, Oracle PL/SQL, MongoDB, YugabyteDB

Others: AWS, Azure, Git, CI/CD (Harness, Rancher), Docker, Kubernetes, Sonar, Postman, Jira, Confluence, Photoshop, Linux, Unix, Android Studio, ETL/ELT, Agile, Scrum, JIRA, Bit Bucket, Microsoft Office, Matplotlib, PowerBI, MVC, Datadog, Dynatrace, REST API(Swagger).

Experience

Honeywell Internationals   **Sep 2021 - Dec 2022**

Mobile Application Developer | JavaScript, VS Code, Node.js, ReactJs, RealmJs, Docker, REST API   *Bangalore, Karnataka*

- Designed and deployed 20+ reusable screens using **React Native** and **Node.js**, reducing development time by 30% and enhancing code efficiency.
- Utilized key **React hooks**, **Redux Toolkit**, and **React-Router** to streamline workflows.
- Optimized components with **Reducer-based state management** to minimize unnecessary re-renders, boosting application performance.
- Managed data synchronization with the cloud using **RealmJS** for in-app storage, boosted retrieval speed by 25%.
- Achieved a 50% reduction in device setup time through streamlined configuration, enabling efficient remote management and reducing onsite deployment costs by 20%.
- Designed and tested HTTP REST APIs with **Web APIs** and Node.js, achieving a 99% success rate in **POSTMAN.**
- Conducted **unit testing** with **Jest**, ensuring robustness and reliability of the developed reusable modules.
- Enhanced middleware efficiency and reduced API call errors by 15% with **Redux-Saga**.

Tata Consultancy Services (TCS)   **Jul 2021 - Sep 2021**

Systems Engineer | JavaScript, Node.js, ReactJs, Eclipse, Java, JSON.   *Hyderabad, Telangana*

- Built 15+ reusable components using **Agile methodology**, reducing codebase size by 35%, minimizing duplication, and improving maintainability by 40%.
- Reduced development time by 20% through effective **Template utilization**, lowering error occurrences by 25% with comprehensive testing, and increasing system reliability.

Appstix Technologies   **Jul 2019 - Jul 2021**

Junior developer | YugabyteDB, GO, Microservices, REST API   *Hyderabad, Telangana*

- Developed **Go**-based **backend microservices** using **Mux** and **Gin** libraries, improving performance by 30%.
- Designed and implemented RESTful APIs and optimized **SQL/NoSQL** queries for better scalability.
- Utilized **Swagger** for API documentation, speeding up development and testing by 20%.
- Set up **CI/CD** pipelines with **Harness** and **Rancher**, reducing release times by 40%.
- Monitored and optimized system performance using Datadog and **Dynatrace**.
- Integrated **YugabyteDB** for distributed data management, ensuring high availability.

Projects

Automated Cover Letter and Resume Generator | *ReactJs, openAPI, Redux, MongoDB*   **Dec 2023 - Feb 2023**

- Developed a web application using React JS and ChatGPT API to create personalized cover letters and resumes by extracting user-provided LinkedIn profiles, data and leveraging ChatGPT's NLP capabilities.

Credit Card Fraud Prediction | *EDA, Python, Machine Learning, Data Warehouse*   **Mar 2023 - May 2023**

- Created a Credit Card Fraud Detection Model using EDA and ML models including SVM, Decision Tree, Random Forest. Developed a website in Flask and integrated the top-performing model, Random Forest (87% accuracy), into a website.