KRISHNA V PABBISETTY

San Jose, CA 95126

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About

I am a passionate and driven engineer with a strong foundation in development. I thrive in fast-paced environments and enjoy tackling complex projects to create innovative solutions. As a Problem solver, I am eager to contribute my skills and enthusiasm to a dynamic team, driving forward impactful projects.

Education

San Jose State University(SJSU)   **Aug 2023 - May 2025**
Master of Science in Software Engineering   *GPA - 3.8*
Relevant coursework: Distributed Systems, High Performance Computing, Software Systems Engineering, Data Mining

Vellore Institute of Technology   **Jul 2017 - Jun 2021**
Bachelor of Technology in Computer Science Engineering   *GPA - 3.8*
Relevant coursework: Web Development, Software Systems Engineering, Data Structures, Algorithms, Database Management Systems, Operating Systems, Machine Learning, Artificial Intelligence, Data Mining

Technical Skills

Languages: JavaScript, Java, Python, HTML, CSS
Frameworks & Libraries: React, Node.js, Express.js, NumPy, Pandas, Mocha, Chai.js
Tools/Paradigms: Figma, Git, Github, VSCode, APM, REST APIs, Azure, Agile
Technologies/Databases: MySQL, PostgreSQL, MongoDB, AWS, Firebase, Docker, Kubernetes

Experience

Jio Platforms Limited   **Jun 2021 - Jul 2023**
Software Engineer   *Mumbai, MH, India*

- Engineered a procurement platform by designing and implementing REST APIs, leading to a more reliable system and supporting over 500 daily transactions.
- Developed scalable UI components for the SupplierFirst portal using React and TypeScript, increasing user engagement.
- Created custom middleware with Node.js and Express to streamline backend operations, reducing processing time by 20%.
- Integrated Redis and Kafka for real-time data processing, enhancing system responsiveness and data handling capacity.
- Optimized MongoDB and MySQL databases by implementing efficient indexing and query optimization, reducing record fetch times to under 100ms and handling thousands of transactions daily.
- Managed CI/CD pipelines using Docker and Kubernetes, achieving a 95% deployment success rate.

Ken42 EdTech Pvt. Ltd.   **Mar 2021 - Jun 2021**
Software Developer Intern   *Bengaluru, KA, India*

- Developed a library of over 140 UI components using React and Material UI, accelerating development cycles by 30%.
- Integrated Salesforce for seamless student data management, optimizing system functionality for more than 1,500 profiles.
- Enhanced web application performance by refining React code, improving page load times by 25%.

Projects

Movie Theater Club App | *Typescript, Node.js, React, HTML, CSS, MongoDB, AWS, Mantine*

- Designed and implemented a secure movie theater management app with JWT authentication, enhancing data security and user trust across three user roles.
- Deployed the app on AWS with auto-scaling across 4 EC2 instances and load balancing via NGINX, ensuring 99.9% uptime and consistent user experience.

Serverless Automated File Processing System on AWS | *React, Typescript, TailwindCSS, AWS Services*

- Led the development of a serverless file processing system using AWS Lambda, S3, and DynamoDB, improving operational efficiency by 50% and scalability.
- Optimized resource management, reducing server costs by 30% and ensuring cost-effective operations.

Comprehensive Software QA Testing on Animal Detection Application | *Selenium, TestNG, Appium*

- Executed advanced QA testing strategies using Selenium and TestNG, achieving an 81.6% accuracy rate in automated testing and enhancing overall system reliability.
- Streamlined testing processes with AI-driven methodologies and automated frameworks, reducing testing cycle times and improving overall test coverage.