Shyam Kumar Vennu

Associate Software Engineer

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Summary:

As a driven Software Engineer with experience in diverse tech environments, I've consistently delivered impactful solutions, contributing to a cumulative value of $10M. My passion lies in solving intricate problems and delivering high-quality solutions. Eager to contribute expertise in software development to enhance note-taking experiences at scale.

Work Experience:

Associate Software Engineer, Medplus(Optival) 06/*2022 - Present, Hyderabad*

- Designed and implemented advanced authentication protocols, achieving 30% increase in user security and compliance.
- Ensured secure access for **35,000+ users with rate limiting** and user blocking to prevent threats.
- Utilized agile methodologies to **improve team operational agility by 30%** through efficient issue resolution.
- Engineered and debugged a **multithreaded reporting system for 20 million** records, optimizing server-side performance and query times.
- Optimized back-end testing using tools like Requestly, Developer tools, and debugging, resulting in a 5% enhancement in unit test coverage
- Introduced a self-service onboarding feature that simplified user detail entry and **reduced latency by 2 to 3 minutes.**
- Collaborated seamlessly with cross-functional teams to improve the user interface for the Attendance and Pay module. This enhancement led to a **23% reduction in Live Support contacts** and boosted employee satisfaction from 4.25 to 4.43 out of 5.
- Addressed and corrected inaccurate base pay rates in the AtoZ system by developing a reusable code solution, which led to a **16% reduction in ticket volume** and prevented a potential influx of support tickets.
- Led organization-wide migration to new software dependencies, ensuring seamless adoption. Improved system reliability while sustaining high user satisfaction rate.

Projects:

Human Resource Management System(HRMS) | Medplus(optival)

- Enhanced **web and mobile app (Capacitor.js)** increasing productivity by 25% and enhancing accessibility and productivity.
- Created and rolled out six essential modules like Attendance, Comp-off, Holiday, Regularization, Facility, and Self-Service that optimized manual workflows, cutting **processing time by 50% and conserving over 200 hours monthly**.
- Introduced a comprehensive Time Sheet, Holiday, and Activity Management system that increased **task monitoring efficiency by 40%**, allowing for better resource allocation and accountability across all departments.
- Executed Self-Service Module with JWT Authentication, reducing **onboarding latency by 91%.**
- Developed and integrated Global Search and Filters, enhancing code reusability and user experience.
- Crafted UI/UX designs for web and mobile applications that seamlessly enhanced the user experience.
- Constructed login authentication using session-based and JWT methods, with security checks validated through Postman, ensuring flawless functionality.

Skills: Django Rest Framework, Mysql, React.js, Redis, Celery, AWS S3

Technical Skills:

Languages: Python, Java, C, SQL
Web: HTML, CSS, Javascript, React.Js, JQuery, Bootstrap, Redux, Webpack, Babel, AntDesign
Database : MySQL, Redis
Framework: Django, Rest API, Simple JWT, Session, cookie, Celery
Tools/Cloud: AWS Services (S3), Docker, Linux
Version Control: Git, GitHub
IDE: VS Code, Pycharm, MySQL workbench, Postman
Mobile: Capacitor.js(Hybrid React Native)
Miscellaneous: OOP's, Complexity analysis, Probelm Solving, Deliver results

Conceptual Skills:

Data Structures and Algorithms, Computer Networks, RDBMS, Operationg System, Digital Logics, Computer Organisation.

Profiles:

● Leet Code   ● GitHub

Education:

Bachelor of Technology - KNRR Institution of Technology, Hyderabad
2022 Grad in Computer Science Technology with a CGPA of 7.6

Personal Projects:

Social Media App

Created a social app like facebook/messenger using Angular, Django which showcasing proficiency in modern frontend and backend developement technologies.

Tech stack: Angular, Javascript,CSS, Django, REST API, API integration, Websocket, MySQL
GitHub - Repo