

SHASHANK KURAKULA

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SKILLS

Languages	C, C++, C#, Java, JavaScript (ES6), TypeScript, R, Python, Solidity
Frameworks	Express, Spring, Hibernate, Node.js, .Net Core, Selenium, Material UI, Bootstrap
Front-end	HTML5, CSS3, React, Redux, Next.js, RxJS, D3.js, jQuery, Angular, Vue.js, Sass, Less
Databases	MS SQL Server, Oracle DB, MySQL, PostgreSQL, MongoDB (NoSQL)
Software Tools	AWS, SVN, Git, VS Code, Visual Studio, IntelliJ, Spring, Docker, WordPress
Other Tools & OS	GitHub, Bitbucket, Postman, JIRA, Webpack, Babel, npm, Jest, Windows server, Linux
BI Tools	Tableau, Power BI, Qlik Sense

EXPERIENCE

Full Stack Software Engineer Carrier

Dec 2021 - Aug 2022
Hyderabad, INDIA

- Led a cross-functional team in developing and maintaining e-CAT, an advanced suite of tools for HVAC equipment selection and configuration while leveraging ReactJS, Redux, and Java to implement essential functionalities and contributing to a 10% increase in sales through enhanced performance and accurate data generation.
- Utilized ReactJS features like lazy loading, code splitting, tree shaking and caching with Memoization to optimize UI performance and enhance the user experience by minimizing unnecessary re-renders, and dependencies, resulting in a significant reduction in load time from 8 to 2.1 seconds.
- Implemented unit testing and end-to-end testing strategies, fortifying software reliability and minimizing post-deployment issues while ensuring a seamless UI and optimal UX.
- Optimized SQL queries with indexing for faster data retrieval, enhancing application performance by 12%.
- Integrated Elasticsearch for indexing and querying, leading to a 70% increase in search accuracy.
- Rectified critical software bugs in production, such as database connectivity issues, and software crashes saving over 100 hours of productivity and averting potential revenue losses exceeding \$100,000.
- Crafted 20+ high-quality, reusable components, contributing to a 40% cost reduction across the project.
- Executed a comprehensive proof-of-concept at PricewaterhouseCoopers (PWC) leveraging MERN Stack technologies, encompassing end-to-end development, and guidance across the software development life cycle (SDLC), contributing to a 30% enhancement in client satisfaction.
- Strengthened security measures with OpenID Connect (OAuth 2.0) for authentication and authorization, enhancing security measures and, slashing login time by 40%.
- Participated in sprint planning sessions, prioritizing user stories and backlog management while playing a key role in an Agile (Scrum) team, achieving a 90% on-time delivery rate.

Software Engineer E2open, LLC

Feb 2019 - Nov 2021
Hyderabad, INDIA

- Leveraged .NET for the backend and React for the frontend web development to enhance SNOP's sales data insights and inventory prediction accuracy, resulting in a 20% sales increase in Q3, while also creating intuitive data visualization dashboards using QlikSense and SQL Server, enhancing data-driven decision-making by 30%.
- Collaborated on SNOP's Business Planning View to enhance sales forecast visualization with data charts and intuitive Excel-like UI with conditional formatting for scenario comparison. Additionally, improved scenario comparison with database indexing, reducing query execution time by 40%.
- Led a team in delivering a project, utilizing Angular, .NET MVC, and SQL Server. Used RxJs and Restful API with HTTPClient to enhance state management, resulting in a 3-second reduction in data processing time.

- Implemented authentication with sessions and JSON web tokens to ensure secure access to the application.
- Maximized user experience through responsive design, resulting in a 26% increase in user retention rate.
- Developed a robust ETL tool, DataExchange, skillfully blending Java and SQL with Kafka as middleware, which flawlessly integrated with diverse products, improving data loading accuracy by 35% and efficiency by 30%.
- Pioneered the development of AppPulse using Python, Selenium, and React, an automation tool that sends email alerts for downtime in demo environments, reducing manual effort by over 10 hours weekly.
- AppPulse seamlessly integrated with existing workflows, enabling real-time system status monitoring.
- Created ReleaseCentral, a web app for viewing product release notes, enabling customers and stakeholders to access bug fixes, improvements, and new features, resulting in a 40% increase in customer satisfaction.
- Implemented Git version control mechanisms and branching strategies to streamline code integration within the CI/CD pipeline, resulting in a 45% reduction in deployment duration.
- Collaborated with clients and product owners to ensure project success through comprehensive documentation, requirement gathering, analysis, design, development, code review, and testing following Agile methodology.
- Efficiently used JIRA for issue tracking and project management, ensuring timely delivery of high-quality code in Agile projects managed with Scrum and JIRA, leading to a 20% improvement in project efficiency.

Associate Software Engineer

Vasista Enterprise Solutions

Jan 2018 - Feb 2019

Hyderabad, INDIA

- Coordinated in the development of sales and logistics modules within Daily Orders, implementing asynchronous processing techniques like event-driven architecture and message queuing, improving overall efficiency by 15%.
- Deployed role-based access control using JWT for secure access to employee data based on user roles.
- Designed a robust invoice generation system using Java, and Apache PDFBox lowering the process by 2 seconds.
- Created analytics dashboards with amCharts, resulting in a 25% increase in data-driven decision-making.
- Employed impactful SEO and SEM strategies, increasing online visibility by 50% and website traffic 35%.
- Contributed to projects, ensuring timely delivery and fostering efficient teamwork while staying updated on digital trends to enhance Vasista's competitive edge with forward-thinking ideas.

PROJECTS

Flight Ticketing and Insurance System

Designed and developed a flight ticketing application on the Ethereum blockchain, integrating availability tracking with automated insurance to facilitate seamless ticket booking and provide protection against flight disruptions. Implemented Solidity smart contracts to ensure precise reservations.

Tech Stack: Solidity (Smart Contracts), Node.js, React.js

Crypto Base

Architected a cryptocurrency portfolio management app for seamless tracking of holdings, market insights, and news updates by integrating real-time APIs.

Tech Stack: MERN (MongoDB, Express.js, React.js with Redux, Node.js)

EDUCATION

Master of Science, Business Analytics and Information Systems

University of South Florida

Aug 2022 - Dec 2023

Tampa, FL

Bachelor of Technology, Computer Science and Engineering

ICFAI University

Sept 2014 - May 2018

Hyderabad, INDIA

- **Shashank Kurakula**