ANUSHA VENKATARAGHAVAN

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SUMMARY

Innovative and analytical IT professional with 10 years of experience in software development, application support, and cloud engineering. Proficient in designing, developing, and maintaining enterprise systems and web applications, leveraging AWS cloud services to optimize performance and scalability with a strong understanding of Agile methodologies. Adept at troubleshooting complex technical issues, enhancing user experiences, and driving process improvements to streamline operations. A collaborative team player with excellent problem-solving and organizational skills, committed to delivering high-quality solutions that align with business objectives.

SKILLS

Web Development: HTML5, CSS3, JavaScript, React JS, Redux JS, Express JS, Typescript, AJAX, Jinja

Back-End Development: Node JS, Python, SQLAlchemy, PHP, REST API, Flask, JWT, Java, GraphQL

Database Management: PostgreSQL, MySQL, SQL Server, MongoDB

UI/UX: Wireframing, Prototyping, Architecture, Figma, Lucid Charts

Testing Frameworks: Jest, Mocha, Chai, Enzyme, Sinon, Unit and Integration testing

Cloud & DevOps: AWS, Azure, Git, GitHub, Docker, Bitbucket

Tools and Technologies: Word, Excel, Power BI, WordPress, Splunk, JIRA, Asana

Project Management Methodologies: Agile, Scrum, Waterfall

EXPERIENCE

The Citizen Project | Software Engineer & Cloud Architect | Contract |Remote, USA   Dec 2023 - Present

- Delivered a **cloud-native Next.js** web application for a non-profit organization in **less than six months**, meeting tight deadlines and demonstrating strong time management.
- Collaborated with the founder and stakeholders to **define project requirements, methodologies, and objectives** while leading **technical design and implementation discussions** to enhance user outcomes and business alignment.
- **Orchestrated** application setup with **AWS services** to showcase the project's potential supporting funding initiatives leading **proof of concept automation** ensuring seamless front-end and back-end integration.
- **Engineered and maintained** the application using **React.js, Next.js, TypeScript**, and **npm**, leveraging **hooks** and the **Context API** for efficient state management, and utilizing **server-side rendering (SSR)** and **static site generation (SSG)** to **optimize performance.**
- Automated an alert notification system using **AWS SES, SNS, IAM, S3, DynamoDB, Lambda, CloudWatch,** and **AppSync**.

Liberty Mutual Insurance | Senior Software Engineer | Full-time | Remote, USA   July 2021 - Nov 2022

- Managed 5+ single-page enterprise applications in the IT Service Management using **React, Redux, Node.js, and Express.js**, while maintaining and debugging **Python REST APIs** and backend services to ensure efficient

data handling and seamless integration with multiple systems.

- Successfully **upgraded React, React router, Redux, Webpack, Babel, Bootstrap and testing packages** for a large-scale incident management application following best practices including 15K lines of code optimizations, resulting in a notable **12% improvement** in application performance and user experience.

- Enhanced application stability and reliability through **automated testing** using **Mocha, Chai, Enzyme, Sinon, Jest**, reducing **regression testing time by 30%** ensuring adherence to performance standards.

- **Collaborated** with stake holders & cross-functional teams to resolve identified issues, implement effective solutions, and collate new requirements.

- Created **Power BI dashboards** and reports to understand incident patterns, identify most impacted services and prepared **architecture diagrams** to illustrate data flow between microservices, aiding in the understanding of modern application design.

- Developed and maintained **documentation**, including FAQs, knowledge base articles, and **troubleshooting guides**, enabling clients to resolve issues independently.

- Provided **on-call technical support** to end users for **ITSM applications**, identifying and resolving performance bottlenecks and technical escalations **within SLA** and onboarded and mentored **3 junior engineers**.

Impelect Technology Services Private Limited | Software Engineer | Full-time | India   Jan 2009 - Mar 2016

- Managed Established strong communication with clients to understand project requirements and drive accurate translation of business needs into technical solutions demonstrating expertise in **stakeholder management**.

- Developed and delivered **diverse full-stack web applications for 50+ clients**, including eCommerce, college application management, content management applications and retail marketing customer-facing interfaces using **LAMP stack, PHP**, **MySQL, PostgreSQL** and **REST APIs**.

- Integrated **third-party APIs and payment gateways** such as Paypal, CCAvenue to optimize transaction processing, enhance application functionality, and seamless user experience.

- Led all phases of the Software Development Life Cycle (**SDLC**) to ensure seamless project execution, organized and steered **code review** meetings to optimize code, and spearheaded end-to-end application testing and documentation efforts.

CERTIFICATIONS

Hashicorp Terraform Associate(003)	**May 2025**
Generative AI Intensive	**Apr 2025**
Microsoft AZ-900 Certification	**Dec 2024**
AWS Certified Solutions Architect - Associate	**Sep 2023**
Caltech CTME Cloud Computing	**May 2023 - Oct 2023**
Software Engineering Career Track - Springboard	**Apr 2020 - Jan 2021**

EDUCATION

Bachelor of Science, Electronics and Communication engineering |University of Madras   **May 2000**