CHRISTU GOPU

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Software Engineer | Full-Stack Developer | iOS Enthusiast

Results-driven Full-Stack Software Engineer with 2+ years of experience in developing scalable, maintainable web and mobile applications. Proven expertise in JavaScript/TypeScript, Swift, and Python, designing and implementing robust CI/CD pipelines, microservices architecture, and performance optimization to meet high customer scaling requirements. Applying best practices in debugging and testing in alignment with security, privacy, and accessibility standards. Passionate about continuous learning and improving product performance at scale.

PROFESSIONAL SKILLS

- **Languages:** JavaScript, TypeScript, Swift, CSS3, HTML5, Python, Java, SQL, Ruby on Rails
- **Frameworks/Libraries:** React, Angular, Vue.js, Node.js, Express, MATLAB, jQuery.
- **Technologies:** RESTful APIs, CI/CD pipelines (Jenkins, GitHub Actions), Docker, Kubernetes, Git, AWS, Azure, Postman.
- **Caching Tools:** Redis, Memcached.
- **Databases:** PostgreSQL, MongoDB, Firebase.
- **UI/UX Design:** Figma, Responsive Design, Prototyping.
- **Methodologies:** Agile/Scrum, SDLC, Microservices, Debugging, Automation Testing.

WORK EXPERIENCE

University of Memphis - *Memphis, TN*   August 2022 – December 2022

Software Developer

Technologies: TypeScript/Angular, MySQL, JavaScript, HTML5/CSS3, Express, Docker, Git

- Enhanced student features with React, TypeScript, and jQuery, improving navigation for 5,000+ users.
- Restructured backend data workflows, cutting student record access time by 30% and optimizing page load times.
- Coordinated feature rollouts, ensuring zero downtime and reducing post-deployment bugs by 20%.
- Collaborated with stakeholders to define feature requirements and deliver user-focused features.
- Authored and maintained API documentation, reducing onboarding time by 30% and enhancing integration workflows.

Xlenz - *Hyderabad, India*   January 2021 – April 2022
Junior Software Developer

Technologies: React/Angular, Vue, Node.js/Express, JavaScript, HTML5/CSS3, Docker, MongoDB, Python, Git, Agile

- Built internal project tracking dashboards using React, Angular, and Vue with WebSocket connections for real-time updates, reducing manual monitoring efforts by 40%.
- Implemented Redis and Memcached caching, improving response times by 40% and handling 1,000+ concurrent requests.
- Designed REST APIs with Node.js, improving data retrieval by 35% through optimized queries and PostgreSQL database tuning.
- Upgraded system architecture with Docker, ensuring reliable performance and zero downtime.
- Designed 12+ mobile layouts with lazy loading, reducing load times by 30% and boosting engagement.
- Documented 40+ API endpoints with Swagger, streamlining integration for 25+ team members and reducing downtime by 15%.

EDUCATION

University of Memphis - *Memphis, TN.*
Master's Degree – Computer Science | August 2024 | GPA: 3.15/4.0.
- Coursework: Algorithms, Machine Learning, Cryptography, Database Management Systems, Networking.

Jawaharlal Nehru Technological University - India.
Bachelor's Degree – Computer Science | August 2022 | CGPA: 6.5/10.0
- Coursework: Data Structures, Artificial Intelligence, OOP in Java, Cloud Computing.

PROJECTS

Portfolio Website: [Go to the website](#)

[React/JavaScript, MySQL, HTML5/CSS3, Git, Agile]

- Built a responsive portfolio using React and GitHub Pages, showcasing 5+ projects and increasing recruiter engagement by 25%.
- Established CI/CD workflows with GitHub Actions, automating deployments and version control, reducing release time by 40%.
- Enhanced website performance by 30% through component optimization, lazy loading, and efficient CSS management.

Intra-Bundle – *Xlenz* **[React/JavaScript, MySQL, Node.js, Postman, MongoDB, Apache, Git, Nginx, Agile]**

- Project management tool with React and Node.js improved collaboration for 15+ team members, reducing approval workflows by 30%.
- Implemented role-based access control with 10,000+ JSON Web Tokens, reducing unauthorized access by 25%.
- Optimized API responses by implementing pagination and indexing, reducing response times by 30%.
- Automated builds and deployments with Jenkins CI/CD, achieving a 40% faster feature rollout.
- Redis caching improved response times by 45% under high load.

Floral Essence website

[Ruby on Rails, JavaScript, PostgreSQL, APIs, Node.js, Git, Agile]

- Collaborated with a team of 4 to build an e-commerce site using Ruby on Rails and JavaScript, enabling product browsing and customization.
- Implemented authentication and session management, reducing login failures by 25% and improving session stability for 1,000+ active users.
- Wrote database queries with PostgreSQL, boosting performance by 25%.
- Managed version control, CI/CD, and hosting with GitHub, ensuring 99% deployment success.

iOS Application Development *(Coursera – Meta)*

[Swift UI, MVVM, Core Data, JavaScript, Combine, React Native, Git, Storyboard UI]

- iOS app with Swift UI and MVVM architecture enabled 20% faster feature updates and reduced maintenance effort during scaling.
- Handled 1,000+ data updates with Combine, cutting UI lag from 2s to 500ms and boosting responsiveness by 40%.
- Created cross-platform UI components with React Native, ensuring consistency across platforms.
- Optimized Core Data for offline storage, reducing memory usage by 20%.

CERTIFICATIONS

- Meta iOS Software Development Specialization (Coursera)