

CHRISTU GOPU

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Software Engineer | Full-Stack Developer | Backend Developer

Detail-oriented Software Engineer with 2+ years of experience delivering scalable web and mobile applications. Skilled in JavaScript, React, HTML, CSS, Angular, Next JS, TypeScript, Swift, and Python with expertise in building CI/CD pipelines, microservices architecture, and optimizing performance. Proficient in Agile methodologies, debugging, and delivering high-quality digital solutions to meet user needs.

PROFESSIONAL SKILLS

- **Languages:** JavaScript, TypeScript, Swift, Python, SQL, Ruby.
- **Frameworks/Libraries:** React, Angular, Vue.js, Node.js, Next.js, Express, jQuery.
- **Technologies:** REST APIs, CI/CD (Jenkins, GitHub Actions), Docker, Redis, Kubernetes, Terraform
- **Cloud Platforms:** AWS, GCP, Azure
- **Databases:** PostgreSQL, MySQL, DynamoDB, Firebase, MongoDB
- **Version Control:** Git, GitHub, GitLab
- **Testing Tools:** Cypress, Puppeteer.
- **Mobile Development:** Swift UI, Objective-C, React Native
- **Methodologies:** Agile, SDLC, Automation Testing, Microservices.

WORK EXPERIENCE

University of Memphis - Memphis, TN

August 2022 – December 2022

Software Developer

Technologies: TypeScript/Angular, React, MySQL, JavaScript, Docker, Git

- Designed and optimized backend workflows, cutting data retrieval times by 30% and improving page load times for 5,000+ users.
- Built and refined interactive 25+ student features using JavaScript, Angular, and React, boosting navigation efficiency by 30% and satisfaction by over 85%.
- Developed dynamic front-end components in React to track and manage over 15+ student states, achieving engagement functionality by 90%.
- Conducted thorough testing and debugging across the stack, cutting post-deployment bugs by 20%.
- Deployed and managed full-stack systems with Docker, ensuring seamless integration and high availability.
- Integrated APIs with microservices architecture, enhancing modularity and scalability.

Xlenz - *Hyderabad, India*

January 2021 – April 2022

Junior Software Developer

Technologies: React, Angular, Node.js, Next.js, PostgreSQL, MongoDB, Redis, Docker, Agile

- Developed and enhanced full-stack data pipelines and internal dashboards using React, Angular, Node.js, and Next.js, reducing manual effort by 40% with real-time updates.
- Leveraged Next.js for server-side rendering and dynamic routing, enhancing front-end performance and SEO for internal tools.
- Implemented Redis caching to handle 1,000+ concurrent requests, enhancing response times by 45%.
- Improved API performance by 35% using advanced indexing and query optimization.
- Designed role-based access control with JSON Web Tokens, ensuring secure operations for 10,000+ users.
- Automated builds and deployments via Jenkins CI/CD pipelines, achieving a 40% faster release cycle.
- Redesigned and deployed Kubernetes clusters, ensuring seamless scaling in a cloud-native environment.
- Implemented CI/CD pipelines using Jenkins and Terraform, reducing deployment time by 40%.

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, Next.js, MySQL, Node.js, Postman, MongoDB, Apache, Git, Nginx, Agile]

- Project management tool with React, Next JS, 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.

C-Linq, Contact List Manager

[React JS, JavaScript, Ruby, HTML, CSS, Git, Postgres SQL]

- Developed C-Linq, a contact list manager using HTML, CSS, and JavaScript to organize and search 15,000+ contacts, improving user task efficiency by 80% through a clean React-based UI.
- Designed and optimized RESTful APIs with Ruby on Rails and a PostgreSQL database, implementing CRUD operations and an additional search feature, reducing query times by 40% and ensuring secure data storage.
- Resolved a critical issue by optimizing CI/CD pipelines using GitHub Actions, cutting deployment errors by 50% and accelerating release cycles by 60%.

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%.
- Added Android development features using Kotlin, ensuring compatibility and functionality across platforms.

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.

CERTIFICATIONS

- Meta iOS Software Development Specialization (Coursera)