

Shreya Reddy Katanguru

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EDUCATION

Purdue University, West Lafayette

Master's in Computer Science, CGPA: 3.07/4.00

INDIANA

Aug 2022 - May 2024

Gokaraju Rangaraju Institute of Engineering and Technology

B.S. Computer Science, CGPA: 9.03/10.00

Hyderabad, TS

Jul 2018 - Jun 2022

PROFESSIONAL SUMMARY

Software Developer with experience in designing and building scalable, real-time web applications and distributed systems. Proficient in front-end frameworks (React, Angular, .NET) and backend technologies (Node.js, Java, Python) with expertise in UX best practices, API development, and cloud computing (AWS, GCP). Passionate about creating fault-tolerant, optimized, and maintainable solutions while collaborating in agile, cross-functional teams. Adept at solving ambiguous problems and optimizing performance for high-traffic applications.

WORK EXPERIENCE

Apple

Austin, TX

Full stack Developer (Remote)

Jan 2025 – present

- Engineered scalable, high-performance web applications for Apple's digital platforms, utilizing React, TypeScript, and modern frontend frameworks to create seamless, user-centric experiences.
- Partnered with cross-functional teams to implement responsive, WCAG-compliant interfaces, and optimized frontend performance for global, high-traffic platforms under tight timelines.
- Led peer code reviews and drove continuous improvements in frontend architecture, integrating emerging technologies and best practices to maintain Apple's standards for excellence.

Elevance Health

Indianapolis, IN

Front End Developer (Remote)

Jan 2024 – Dec 2024

- Led development of Elevance Health's member portal and provider tools, migrating legacy systems to a React-based micro-frontend architecture and optimizing APIs with GraphQL to improve scalability and performance.
- Implemented shared component libraries, CI/CD pipelines, and automated testing frameworks to accelerate delivery speed and reduce time-to-market by 30%.
- Assisted in architecture reviews and partnered with product and UX teams to deliver scalable, high-quality solutions.

CSG Systems, Inc. (CSG)

Bangalore, KA

Software Developer Intern (Remote)

Feb 2022 – Jul 2022

- Developed and optimized customer-facing web applications using Angular.js, JavaScript, .NET, reducing page load times by 40% and enhancing UX.
- Participated in code reviews, debugging, and system design discussions, ensuring maintainability and fault tolerance, which led to a 20% reduction in post-deployment issues.
- Optimized relational (MySQL) and NoSQL (MongoDB) queries, improving indexing and execution times by 30% for high-traffic applications.
- Designed and implemented RESTful APIs and microservices, integrating AWS S3 and DynamoDB for scalable data retrieval.

ACADEMIC AND RESEARCH PROJECTS

Personal Finance Management System

- Developed a full-stack application using React, Node.js, and MongoDB for secure income/expense tracking, budgeting, and data visualization. Implemented JWT authentication, responsive design with Bootstrap, and real-time updates.
- Created, configured, and managed a MongoDB database to store and manage user data, including transaction history, using Mongoose for schema design and CRUD operations.

LuckyDraw Challenge: Scaling Strategies with Kubernetes and AWS

- Designed a LuckyDraw application using ReactJS framework and implemented CI/CD pipeline for deployments.
- Ensured scalability and performance through Kubernetes orchestration and AWS CloudWatch monitoring.

File Encryption/Decryption/Transmission Suite

- Developed secure file encryption and transfer suite using AES-128 and TLS, compliant with NIST data protection standards.
- Employed AES-128 encryption and SHA-512 hashing, facilitating secure transfers via local and network connections with customizable IPs and ports.

SKILLS

Languages: Java, Python, C++, C#, JavaScript (ES6+), TypeScript, SQL, NoSQL (MongoDB, DynamoDB)

Tools: AWS (Lambda, CloudWatch, EC2, S3), Docker, Kubernetes, Git, GitHub, VS Code, Linux, GCP, CI/CD Pipelines

Frameworks/Libraries: React.js, Angular.js, Next.js, .NET Core, Node.js, Spring Boot

Hard Skills: Distributed systems, Scalable architecture, Predictive analytics, Indexing & Query optimization, Relational & NoSQL databases, Data structures & algorithms, Object-oriented design (OOD), API development (RESTful, GraphQL), Agile software development, Handling ambiguity, Thinking abstractly