

SHREEMAULI RAUT

Binghamton, NY | (607) 624-9383 | sraut2@binghamton.edu | www.linkedin.com/in/shreemauli-raut

EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science

Expected May 2026

Relevant Coursework: Design and Analysis of Algorithms, Software Engineering, Design Patterns, Computer Security

NMIMS University, Mukesh Patel School of Technology Management & Engineering

Bachelor of Technology in Computer Engineering

August 2021

Relevant Coursework: Computer Networks, Database Management Systems, Web Technologies, Operating Systems

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Java, Rust, SQL, JavaScript, TypeScript, Shell scripting

Technologies: React.js, Next.js, Angular.js, Vue.js, Svelte.js, Node.js, Spring, Django, Flask, GraphQL

Databases: PostgreSQL, Redis, MySQL, OracleDB, MS SQL Server, MongoDB, Amazon RDS, Amazon DynamoDB

Tools & Deployment: HTML, CSS, SCSS, TailwindCSS, React Query, GraphQL-Request, Codegen, Prisma ORM, Google OAuth, JSON Web Tokens (JWT), Git, GitHub, Docker, Supabase, Amazon Web Services

Certifications: AWS Certified Cloud Practitioner

PROFESSIONAL EXPERIENCE

Infosys, Software Development Engineer | Bengaluru, India

October 2021 – June 2024

Tech Stack: React.js, React Redux Toolkit (RTK), Node.js, Express.js, NGINX, Docker, Amazon Web Services (AWS)

- Expanded system capacity by 73% to handle approximately 2,300 concurrent users by implementing load balancing with NGINX, utilizing the Least Connections method for optimized traffic distribution
- Directed migration from a legacy codebase, boosting performance by 70% through efficient state management with React Redux Toolkit (RTK) and future-proofing with TypeScript for enhanced code quality
- Engineered and maintained a high-performance Smart Content Navigator application for a Big-4 client, achieving 99% SLA compliance by architecting a Node.js/Express.js backend and a React.js frontend for efficient data rendering
- Deployed Docker for containerization and migration to AWS ECR, optimizing deployment efficiency by 40% and enhancing system reliability by 30%

Wolfx Digital Agency, Senior Software Engineering | Mumbai, India

July 2021 – September 2021

Tech Stack: Next.js, Node.js, GraphQL, Prisma ORM, React Query, OAuth, TypeScript

AWS Cloud Services: AWS S3, API Gateway, Lambda, Elastic Cache, DocumentDB

- Engineered "Customer360," a comprehensive CRM dashboard for a Fortune 500 retail client, utilizing Next.js, Node.js, and GraphQL, resulting in a 40% acceleration in data retrieval speeds through API optimization and query caching
- Implemented Prisma ORM with PostgreSQL on Supabase for Customer360, enhancing developer productivity by 25%
- Optimized Customer360's frontend performance using TypeScript and custom React Query hooks, resulting in a 30% improvement in dashboard load times and a more responsive user interface
- Reduced manual reporting time by 60% via the creation of an automated Excel and PDF export system in Next.js

Wolfx Digital Agency, DevOps Engineer Intern | Mumbai, India

April 2021 – June 2021

Tech Stack: React.js, Node.js, Redis, TailwindCSS, Google OAuth, Figma, Google Trends

- Created 10 strategic SEO landing pages for Wolfx.io, resulting in a 40% increase in organic traffic within 3 months
- Improved systems architecture by implementing microservices, maintained 30+ REST APIs, and redesigned UI/UX, resulting in an 88% increase in customer satisfaction scores
- Secured user authentication via Google OAuth and JSON Web Tokens, minimizing unauthorized access attempts by 15%
- Leveraged Redis caching for performance enhancements and utilized AWS S3 with pre-signed URLs for secure handling of sensitive customer documents

PROJECT EXPERIENCE

Sorcerer's Script | Independent Project

September 2023 – December 2023

Tech Stack: React.js, React Redux Toolkit (RTK), SCSS, OAuth, Mongoose, MongoDB, Node.js, Express, Docker, Photoshop

AWS Cloud Services: AWS ECR, ECS, S3, CloudFront, Lambda

- Engineered a Wizarding World-themed knowledge base application with React Redux Toolkit and SCSS, incorporating CRUD functionality, advanced filters, and pagination, resulting in a 35% increase in user engagement
- Utilized Mongoose with MongoDB for real-time, efficient data storage and retrieval, reducing data access latency from 150ms to 105ms, thereby enhancing response times and user experience
- Enhanced UX with Framer Motion animations, boosting average session duration by 20% (5 to 6 minutes)

INVOLVEMENT EXPERIENCE

Binghamton University Skateboarding Club, Member

August 2024 – Present

- Led skateboarding workshops, showcasing leadership and boosting participant confidence through hands-on learning