KATKURI SNEHITH REDDY

FULL STACK DEVELOPER

✉ snehithreddy022@gmail.com 📞 (312) 358 2970 📍 Chicago 🔗 Linkedin 🔗 Portfolio 🔗 GitHub

PROFESSIONAL SUMMARY

Detail-oriented and results-driven Full Stack Developer with 3 years of experience in building and deploying scalable, high-performance web applications using React.js, Next.js, Node.js, TypeScript, Express.js, MongoDB, and Oracle SQL. Skilled in both front-end and back-end development, with expertise in designing RESTful APIs, implementing JWT/OAuth authentication, and optimizing database performance. At Virtusa, delivered full-stack features, role-based dashboards, and real-time data integrations in agile teams. As a Full Stack Intern at Treevah, contributed to backend systems and CI/CD pipelines on Microsoft Azure, integrated Azure AD B2C for secure authentication, and worked with PostgreSQL, Redis, and Azure Blob Storage for efficient data handling and deployment. Proficient in Agile/Scrum methodologies and DevOps workflows, with a strong focus on writing clean, maintainable code and delivering seamless user experiences across the full software development lifecycle.

TECHNICAL SKILLS

Frontend Development: React.js, Next.js, JavaScript (ES6+), TypeScript, Redux, HTML5, CSS3, Bootstrap, Material UI, Tailwind CSS
Backend Development: Node.js, Express.js, RESTful APIs, GraphQL, WebSockets, Python, Authentication (JWT, OAuth)
Database & Cloud: MongoDB, PostgreSQL, Oracle SQL, PL/SQL, Mongoose, Redis, Firebase, Microsoft Azure (DevOps, Blob Storage, Azure AD B2C), CI/CD (GitHub Actions, Azure DevOps Pipelines), Docker (containerization, image creation, deployment)
ETL & Data Tools: Oracle Data Integrator (ODI) 12c, RapidMiner, Python (NumPy, Pandas)
Development Tools: Git, GitHub, GitLab, Jira, Postman, Jest, WINSCP, FileZilla, Putty, Linux
Methodologies & Practices: Agile/Scrum, REST API Integration, Version Control (Git), Performance Optimization, Secure Coding Practices
Soft Skills: Problem-Solving, Team Collaboration, Agile Development, Code Optimization, Communication

PROFESSIONAL EXPERIENCE

Software Engineer — Varmodel AI   09/2025 – Present
(Vue 3 | Django REST | PostgreSQL | Redis | Docker | GitLab CI/CD | DigitalOcean)   Texas, United States
Varmodel Ai 🔗

- Developed and deployed **end-to-end features** for a startup-centric social networking platform enabling founders, investors, and partners to collaborate.
- Built **frontend interfaces** using **Vue 3 (Nuxt 3)**, **Pinia**, **Tailwind CSS**, and **TypeScript**, implementing reusable components, forms, and routing flows.
- Engineered **backend APIs** with **Django + Django REST Framework**, including authentication, user management, and secure data models.
- Integrated **Google and LinkedIn OAuth (OpenID Connect)** authentication via python-social-auth, with cookie-based refresh tokens and access-token exchange.
- Designed and optimized **PostgreSQL schemas**, managed migrations, and used **Redis caching** for faster query performance and reduced latency.
- Containerized full-stack services with **Docker and Docker Compose**, orchestrating multi-service environments (backend, Redis, PostgreSQL, Celery).
- Automated build, test, and deployment workflows using **GitLab CI/CD**, pushing Docker images to GitLab Container Registry and deploying to **DigitalOcean** droplets.
- Configured **Nginx reverse proxies** and SSL certificates for API and app subdomains across **QAT, Staging, and Production** environments.
- Improved **frontend performance** via lazy loading, code-splitting, and route-level optimizations, enhancing load speed and UX metrics.
- Debugged production issues (PostgreSQL mounts, Redis timeouts, Docker networking) ensuring stable CI/CD delivery and zero-data-loss releases.

- Collaborated in **Agile sprints** with design, product, and QA teams; participated in stand-ups, code reviews, and sprint planning to ensure release quality.

Software Engineer & IT Management Intern
(React | Node.js | PostgreSQL | Redis | Azure App Services | Azure AD B2C/B2B | Azure VM | Docker | CI/CD)
Treevah 🔗

05/2025 – present
chicago, United States

- Developed and maintained backend services using **Node.js** and **Express.js**, with secure authentication workflows leveraging **Azure Active Directory B2C** and **Microsoft OAuth 2.0**.
- Implemented **refresh token mechanism** with **Redis** for session management, and used **PostgreSQL (via pgAdmin)** for database operations.
- Contributed to frontend development using **React.js**, building features for a smart file management system integrated with **Azure Blob Storage** and **Microsoft OneDrive**.
- Created and managed **Docker images and containers** for local and production environments.
- Built and managed **CI/CD pipelines** using **GitHub Actions** and **Azure DevOps** to automate code build, testing, and deployment.
- Created **custom authentication policies** for Azure AD B2C using **XML**, and configured **app registrations** for secure login and identity management.
- Conducted **load and performance testing** on backend APIs to ensure system reliability and scalability under high traffic.
- Used tools like **Postman**, **Swagger**, and **Jest** for API testing and backend validation.
- Followed **Agile/Scrum** methodologies to collaborate with frontend and DevOps teams, attending daily stand-ups, sprint reviews, and retrospectives.
- Maintained source code using **Git**, **GitHub**, and **GitLab**, participating in code reviews and version control best practices.

Full Stack Web Developer
(React.js | Next.js | Node.js | Express.js | Oracle SQL | MongoDB | GitLab CI/CD)
Virtusa – Client: British Telecommunications (BT) 🔗

07/2021 – 12/2023
Chennai, India

- Spearheaded the end-to-end development of a **secure, scalable internal web application** for **British Telecommunications (BT)** utilizing **React.js**, **Next.js**, **TypeScript**, and **Material UI**.
- Engineered **robust backend services** using **Node.js** and **Express.js**, implementing **RESTful APIs** to manage **data flow** and **user authentication (JWT, OAuth)**.
- Designed and maintained **databases** using **Oracle SQL** and **MongoDB**, ensuring **high availability**, **optimized queries**, and **data integrity**.
- Developed **interactive dashboards**, **custom charts**, and **analytics modules** to deliver **real-time business intelligence** for BT's internal stakeholders.
- Implemented **server-side rendering (SSR)** and **code-splitting techniques** to enhance **application performance** and **SEO** with **Next.js**.
- Conducted **requirement analysis**, **technical documentation**, and **sprint planning sessions** in an **Agile/Scrum environment**, working closely with **Product Owners** and **Business Analysts**.
- Employed **CI/CD pipelines** with **GitLab** for **automated testing** and **seamless deployment** across multiple environments.
- Ensured **application security best practices** by integrating robust **authentication**, **authorization layers**, and **secure API endpoints**.
- Optimized **frontend performance** using **lazy loading**, **code splitting**, and **responsive web design principles**, improving **user engagement metrics**.
- Collaborated with **QA teams** using **Jira** to ensure **high-quality releases** through comprehensive **testing** and **bug fixing**.

EDUCATION

Masters in Computer Information Technology
Elmhurst University 🔗

02/2024 – present
chicago, United States

Bachelors in Mechanical Engineering
Sathyabama University 🔗

06/2016 – 08/2020