

PRANEETH YENNAM

Albany, New York

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PROFESSIONAL SUMMARY

2+ years of experience as a Full-Stack Web Developer, building and optimizing web applications, developing REST APIs, improving database performance, and enhancing user interfaces using modern technologies.

WORK EXPERIENCE

Software Developer | New York State Insurance Fund, USA **September 2024 - Present**

- Built REST APIs in **C#** and **.NET Core**, boosting data exchange and cutting down response time by **30%**.
- Wrote optimized LINQ queries and improved Oracle SQL stored procedures, reducing execution time by **40%**.
- Reduced manual processes by **20%** by automating and monitoring job scheduling using ActiveBatch and UiPath.
- Cooperated to the management and improvement of **CI/CD** pipelines operating Azure DevOps, Organizing deployment processes and accelerating release cycles by **10%**.
- Designed dynamic front-end experiences using **React.js** and **JavaScript**, utilizing state management hooks to optimize performance and deliver seamless user interfaces.

Research Engineer | University at Albany - SUNY, USA **June 2024 - August 2024**

- Implemented code changes and bug fixes to improve the performance of collaborative discussion features by **15%**.
- Analyzed application logs, debugged issues, and documented resolutions leading to a **20%** improvement in response time.

Web Design Developer | Center for Technology in Government, USA **January 2023 - May 2024**

- Developed and revamped the Message Design Dashboard for FEMA's Wireless Emergency Alerts (WEA), increasing user satisfaction by **30%** through better **Next.js** UI Components and system performance.
- Created the Lexicon Editor Application, a **JSON management tool**, making **data handling 40%** more efficient by re-structuring import, edit, and export functions.
- Honed AWS Cognito authentication, simplifying credential setup time by **70%** through revised system workflows.
- Improved test automation by debugging and updating Cypress End-to-End test scripts, expanding test coverage by **20%**.
- Implemented Django **JWT** authentication and permissions, ensuring secure user access and data protection.

TECHNICAL SKILLS

Programming Languages: C, C++, C#, Java, JavaScript, Visual Basics, TypeScript PL/SQL, Python.

Web Frameworks: ASP .NET Core, Angular.js, Express.js, Next.js, React.js, Node.js, Django REST API, WordPress.

Databases: MySQL, MongoDB, Oracle DB, PostgreSQL.

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, CI/CD (Azure DevOps, GitHub Actions).

Testing: JUnit, Jest, Selenium, Cypress, UIPath.

PROJECTS

Interact-React-Impact | ReactJS, Material UI and Firebase

- Led development of a social media application as a Scrum Master, ensuring smooth collaboration and Agile execution.
- Refactored code-base to follow **SOLID principles**, reducing code size by **10%** and revamping performance by **20%**.
- Built features including CRUD operations, category filtering, user comments, and post likes, revising user engagement.
- Optimized infrastructure using Firebase Firestore, enhancing data accessibility by **40%** and streamlining operations.
- Integrated automated email notifications for new posts and events, advancing user interaction by **25%**.

Client-Server Messaging System | C++

- Designed and implemented reusable components using **OOP principles** like inheritance and polymorphism.
- Utilized multi-threading and process management with fork for efficient inter-process communication.
- Integrated error detection and correction using CRC algorithm and Hamming code, enhancing data integrity.

EDUCATION

University at Albany, State University of New York

2022 – 2024

Master's in Computer and Information Sciences, GPA - 3.57/4

Albany, New York

Anurag group of Institutions, JNTU

2018 – 2022

Bachelor's in Computer Science and Engineering, GPA - 3.4/4

Hyderabad, India

CERTIFICATION

Oracle Database 19c: Advanced PL/SQL Workshop – Oracle University

The Joy of Computing using Python – National Programme on Technology Enhanced Learning (NPTEL).

How to Design for Accessibility: for UX Designers (WCAG 2.2) – Udemy