Nanda Mangunuri

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Portfolio

Professional Summary

Software Engineer with 4 years of experience and strong fundamentals in Front End technologies. Likes building scalable web infrastructure and making websites fast. Passionate about programming languages, frameworks, and developer tooling.

Experience

Sports Therapies Leicester, Leicester, England | WordPress Developer | 03/2024 – 04/2024

- Implemented a custom WordPress theme to create a dynamic and visually appealing portfolio website for a sports therapist, ensuring high performance and responsiveness.
- Utilized WordPress plugins, Envato Elements, HTML, CSS, and PHP to expedite the design process and ensure a feature-rich site.
- Enhanced the site engagement through the following tasks:
  - Ensured website was mobile-friendly and responsive, improving mobile user experience and achieving a 20% increase in mobile traffic.
  - Optimized website for search engines through on-page SEO techniques and structured data implementation, resulting in a 25% increase in organic search traffic.

Enough, Leicester, England | Software Developer | 03/2022 – 03/2024

- Architected the design and development of a web application using the Python Flask Framework, integrating HTML, CSS, SQLite3 and JavaScript for a proprietary Raspberry Pi-controlled system.
- Utilized SQLite3 for efficient data management, ensuring seamless operation of the supermarket product dispensing system.
- Unlocked value for Enough via the following critical initiatives:
  - Implemented AJAX requests to enhance user interactivity and reduce system response time by 20%.
  - Collaborated with cross-functional teams, contributing to a 15% reduction in development time through efficient coding practices.

Temenos, Hyderabad, India| Software Engineer | 06/2019 – 11/2020

- Led front-end mobile application development for real-time digital banking projects, incorporating retail and corporate features.
- Developed Android and iOS mobile applications using KONY APIs, JavaScript, and Eclipse in an Agile environment.
- Implemented the SOAP and Java services required for integrating with mobile applications.
- Improved app performance with the below activities:
  - Optimized application codebase, reducing load times by 30% and improving overall performance, leading to a 20% increase in user retention.
  - Implemented and enforced coding standards and best practices, resulting in a 40% reduction in code review time and a 15% increase in code quality.

Temenos, Hyderabad, India| Associate Engineer | 06/2018 – 06/2019

- Handled mobile application development for a digital banking project.
- Designed the user interface for iPhone and Android mobile apps, focusing on usability and user experience.
- Created custom widgets using JavaScript and Kony API to satisfy business requirements.
- Contributed to the team's overall success and stabilized the mobile application through the below tasks:
  - Identified and resolved over 200 critical bugs, contributing to a 50% reduction in crash rates and enhancing app stability.
  - Collaborated with a team of 10 developers in an Agile environment to deliver regular updates and new features, contributing to a 98% on-time delivery rate.

Education

MSc in Advanced Computer Science with Industry Placement, Computer Science, Graduation Year 2023
University of Leicester, Leicester, UK
Grade: Distinction

BTech in Computer Science and Engineering, Computer Science, Graduation Year 2019
B.V. Raju Institute of Technology, Telangana, India
Grade: GPA 9.64 / 10.00

Skills

Programming Languages	: Python | JavaScript | TypeScript| Java | HTML5 | CSS3 | SQL | PHP
Frameworks and Libraries	: Flask | Django | React | TailwindCSS | Bootstrap
Server-Side Programming	: Node.js | Express.js | REST APIs | GraphQL
Databases	: MySQL | SQLite
Development Tools & Practices	: Git | Postman | JIRA | Docker | Kubernetes | Agile | TDD/BDD

Projects

Pension Fund Management Web Application | GitHub

Developed a comprehensive pension fund management web application built with the Python Flask framework, HTML, CSS, and JavaScript. The application provides an intuitive interface for users to manage their pension funds effectively.

Facial Recognition System using OpenCV | GitHub

Developed a facial recognition system created as part of my bachelor's project using the OpenCV library in Python. This project involved research, experimentation, and coding in Python.

Digital Cover Letter & Portfolio Website | GitHub

Creator and Developer of a responsive digital cover letter and portfolio website built with React.js and Tailwind CSS. This website showcases my professional background, experience, skills, and interests to potential employers, utilizing modern web development technologies.

Web Expense Tracker Application | GitHub

Developed a web-based expense tracker application utilizing modern web development technologies, including React.js, Hooks, and the Context API.

Certifications

IBM Full Stack Software Developer | **IBM** | **07/2024**

Application Development using Microservices and Serverless | **IBM** | **07/2024**

Introduction to Containers w/ Docker, Kubernetes & OpenShift | **IBM** | **07/2024**

Django Application Development with SQL and Databases | **IBM** | **07/2024**

Developing AI Applications with Python and Flask | **IBM** | **07/2024**

Python for Data Science, AI & Development | **IBM** | **07/2024**

Developing Back-End Apps with Node.js and Express | **IBM** | **07/2024**

Developing Front-End Apps with React | **IBM** | **07/2024**

Introduction to Cloud Computing | **IBM** | **06/2024**