

PRASANNA

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Career Objective

Specializing in Python, TypeScript, PHP, React.js, and Golang, with a proven track record in developing end-to-end scalable applications and enhancing system performance. Adept at using modern tools like Docker and Ansible to deliver robust and efficient solutions. Experienced in designing modular and maintainable architectures by applying SOLID principles across both frontend and backend systems. Recognized for a proactive mindset, continuous learning, and innovative problem-solving in fast-paced, dynamic environments.

Experience

True Tracking

March 2023 - Present

Software Engineer

Chennai, Tamil Nadu

- Automated the deployment and configuration of web services using Ansible, significantly improving system efficiency, integration processes, and reducing manual intervention, deployment time, across multiple environments.
- Collaborated with frontend teams, integrating UI components built with React.js, TypeScript, ShadCN UI, and Tailwind CSS with backend services written in Python, Golang, and Node.js, delivering a seamless user experience.
- Developed a real-time data caching solution using Redis for improved performance, with Python and FastAPI for creating efficient APIs, Docker for containerization, and AWS CLI for deployment and management.
- Implemented **role-based access control (RBAC)** and **JWT** across backend services to enforce secure

4W Technologies

Nov 2021 – Jan 2022

BackEnd Developer Intern

Chennai, Tamil Nadu

- Contributed to the Shipping Management Project by developing a user-friendly web interface using HTML, CSS, and JavaScript, showcasing a strong grasp of front-end technologies
- Created backend services using the FastAPI framework and Django for efficient and secure data processing
- Developed Bash scripts to automate deployment processes and manage server configurations
- Utilized version control systems such as Git to manage code development and organize modifications.

Projects

Smart Calendar and Automation Platform | React JS[Typescript], Php, Python, Mysql, Celery, Redis, Sql, Pytest 2024

- Built a feature-rich and highly interactive calendar application using React.js with TypeScript, styled using Shadcn ui and Tailwind CSS for a modern, responsive, accessible, and user-friendly scheduling interface with dynamic updates.
- Developed the backend using PHP for core logic and Python for audio playback and GPIO control on a Raspberry Pi.
- Employed Celery for asynchronous task processing to schedule audio file announcements, improving scalability.
- Utilized Docker for containerization to ensure consistent deployment and environment setup across different platforms.

Goods Received Note – Web Application | Core PHP, MySQL, REST, TypeScript, React, Valibot, Zustand, Git 2024

- Modernized the existing PHP-based inventory tracking system by integrating a React.js frontend with TypeScript for a more dynamic and user-friendly interface
- Integrated **Valibot** to enforce robust schema-based form validation for goods received entries
- Employed Git for version control and collaboration, enhancing code management and team productivity.

Secure Inventory Management System | Golang, Gin, Python, React JS, Selenium, Docker, Sql

2023

- API Development: Developed a RESTful API using the Golang Gin framework to handle inventory management operations efficiently.
- Container : Utilized Docker to manage and deploy multiple containers, streamlining and isolated environment.
- User Authentication and Authorization: Implement JWT to ensure secure access control, allowing only authenticated users to manage inventory.

Technical Skills

Tech Stack: Python, Golang, Php, Typescript, React JS, Shell Scripting (Bash)

Databases: Sql, Redis

Technologies/Frameworks: Linux, Git, Ansible, Docker, Django, Aws, Github Action, Selenium, Valibot, Zustand

Relevant Coursework

- GSoC Contributor 2023
- Cyber Security Learning
- Networking Essentials
- Data Structures

Education

B.Sc. Computer Science, Vels Institute of Science (VISTAS)

2022

Higher Secondary Certificate, Jawahar Matriculation Higher Secondary School

2019