

Tushar Patil

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SUMMARY

Full Stack Developer with **3+ years** of experience in **Python, React, GO**, and **AWS**. Proven track record in building scalable web applications. Passionate about delivering efficient and maintainable code.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C/C++, Go, SQL, TypeScript

Frameworks: Django, Flask, ReactJS, Node.js

Developer Tools: Linux, Amazon Web Services, Docker, Kubernetes, PostgreSQL

Libraries: HTMX, pandas, NumPy

EXPERIENCE

Software Engineer

June 2022 – Present

Persistent Systems Ltd

Pune, MH

- Collaborated effectively in an **agile development** environment, consistently meeting deadlines and milestones while ensuring high-quality deliverables.
- Engaged directly with clients to discern and address feature requirements, fostering strong client relationships and delivering tailored solutions.
- Developed CRUD **REST APIs** using **DjangoRestFramework** and **PostgreSQL** for persistent data storage.
- Architected and implemented an **API authentication** module utilizing **OAuth**, ensuring secure access to application resources and protecting user data.
- Achieved a **20%** reduction in AWS costs through strategic **cost optimizations**, optimizing resource allocation and enhancing cost efficiency for the client.
- Developed dynamic and responsive web applications using **React.js**, enhancing user experience with efficient and reusable components.
- Utilized **Axios** for seamless API integrations, ensuring reliable data fetching and handling in various project modules.
- Implemented robust state management solutions using **React hooks** and **context API** to maintain application state consistency.
- Implemented a billing feature in application using **AWS CostExplorer** API, streamlining client's invoicing process and improved financial visibility.
- Implemented fully customizable email and mobile notification service using **AWS SES** and **AWS SNS**.
- Implemented file sharing functionality on the web application using **AWS SES**.
- Collaborated closely with senior engineers to implement advanced file encryption using **AWS KMS**, enhancing data security and compliance measures.
- Collaborated with cross-functional teams and clients to gather requirements, troubleshoot issues, and optimize application performance.
- Engineered a seamless docx to PDF converter, enhancing user experience.
- Managed the **Kubernetes infrastructure** for deploying and scaling the application, ensuring high availability and reliability.
- Implemented **AWS CodePipeline** to streamline continuous delivery, automating the build, test, and deployment processes.
- Maintained and updated documentation for various components and modules, facilitating better team collaboration and onboarding processes.
- Wrote neat and clean **Unit Test cases**, ensuring robustness and reliability of the application.

Software Engineer Intern

Persistent Systems Ltd

Jan. 2022 – June 2022

Pune, MH

- Collaborated with a team of 5 software engineers.
- Collaborated closely with senior team members to understand project requirements and translate them into actionable development tasks.
- Took ownership of small-scale projects or tasks, demonstrating initiative and accountability in project execution.
- Engaged in comprehensive code reviews, debugging, and troubleshooting sessions, actively contributing to codebase improvements and ensuring adherence to best practices.
- Acquired valuable hands-on experience with cutting-edge technologies including **Go**, **TypeScript**, and **Docker**, demonstrating adaptability and a willingness to learn new technologies.

PERSONAL PROJECTS

Bookera | *JavaScript, NodeJS, React, PostgreSQL*

- Developed a full-stack web application using with NodeJS serving a REST API with React as the frontend.
- Implemented features for writing book reviews and a rating system.
- Designed the database schema, implemented REST API endpoints, and documented the APIs.
- Integrated user authentication and authorization mechanisms using **JWT**.
- Implemented a search functionality to find books based on various criteria.
- Optimized frontend performance with React hooks and efficient state management.
- Utilized Git for version control and tracking changes in the codebase.

Team Task Manager | *Python, Django, HTML/CSS, Git*

- Developed a web application for managing tasks among teams with progress tracking feature.
- Published the app as django package on PyPI.
- Designed and implemented a user-friendly interface with HTML and CSS.
- Integrated email notifications for task updates and deadlines.
- Implemented role-based access control for different user types (e.g., admin, member).
- Utilized Git for version control and tracking changes in the codebase.

EDUCATION

Sinhgad college of Engineering

Bachelor of Technology in Computer Science

Solapur, MH

Aug. 2018 – May 2022

MIT junior college

HSC in Science

Solapur, MH

Aug. 2016 – May 2018

CERTIFICATIONS

- **AWS Certified Developer - Associate**

KNOWN LANGUAGES

Human Languages: English, Marathi, Hindi, German