

Prateek Saikia

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SKILLS

Language: Python, Golang, C++, JS

Scripting: Shell, Linux Bash

Database: PostgreSQL, SQL, DynamoDB, Redis

Web Development: Django, Gin, Node, JavaScript, React, Flask, FastAPI, GRPC

Telecom: Oracle BRM, PDC

DevOps: Docker, Kubernetes

Cloud: AWS

Alt. Skills: Problem solving, Data Structure

EDUCATION

B. Tech – 2020

INTERESTS

Football, Guitar

PROFILE SUMMARY

Experienced developer with experience in the Software development and Product development industry. On this continuous journey to discover how systems and software work, starting at the lowest levels of engineering.

WORK EXPERIENCE

JSAT Automation (Software Engineer) Dec'22 – Aug'23

- Developed a Python software to create a IOT gateway tool to measure Key Perf. Indicators' of IOT devices.
- Created new features for a training platform for operators using Python, Flask, PostgreSQL.
- Increased efficiency using concurrency (Multithreading) while performance testing on an internal software.
- Wrote Pytest packages for multiple products by identifying test cases and test scenarios. Also use coverage libraries to check and keeping > 90% total test coverage.
- Hands on experience in Redis, API development and Docker. Developed token for users for Auth using Redis.
- Implemented a backend feature with delivery before time and added pre-existing Angular templates to it.

IMI Technologies (Technical Lead) Nov'20 – Dec'22

- Developed a billing software with Billing, Invoicing, Charging and Account Management Lifecycle features.
- Developed multiple complex features using C++, Golang including an order management system.
- Memory Management operations using valgrind.
- Developed Python programs to expedite major software processes and increase automation.
- Got hands on knowledge in Python scripting, Bash scripting for automation.
- Hands on experience in Oracle DB and created SQL procedures.
- Converted a Multithreaded component from C++ to Golang using Channels, Go Routines and Gin web framework.
- Introduced efficiency in Notification component using Kafka.
- Developed IMI's website and internal HR tool using React. Used AWS EC2 instance, S3 and CloudWatch for logging.

Cadence Design Systems Limited (Python Developer) Jun'20 – September'20

- Developed Python program to detect short circuit in a micro controller chip by detecting overlaps in a wire system.
- Was introduced to designing huge applications in C++.
- Fixed bugs in the Scale programming language.

PROJECT Creating a Food delivery website.

Project – Zomato Clone using React

Duration: August'21 – November'21

Implementing a full software in NodeJS, **Typescript**, **Koa**, **React** and calling my own API using GraphQL and deploying the workflow and build in GitHub actions and deploying it in Heroku. Software completed with unit testing for the frontend part and using material UI for the CSS. Data stored in Postgres SQL server in Heroku. Implemented CI/CD pipeline myself using GitHub actions, Docker and Amazon EC2 instances.

PROJECT Built a music learning platform

Project – Tutoring system for Music Teachers using Python, React, Django, AWS and Postgres.

Duration: October'22 – December'22 – <http://raagamedia.com>

A fully working software to connect aspiring musicians with teacher to learn music (vocal or instrumental), Live learning integrated with Zoom SDK.

AWARD

Finalists of FTX Hackathon, 2021 organised by **Razorpay**.

Finalists of Rakathon, 2023 organised by **Rakuten**.