






SAHIL RAJPAL

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Summary


software engineer with a Bachelor's in Computer Engineering, with nearly 3 years of experience, strong analytical skills, teamwork dedication, and a drive for tackling challenging projects to expand skill sets.

Work Experience

Pragma.  | *Python, FastAPI, Django, PostgreSQL, Docker, Celery, Redis*

July 2023 - Present

- **1Checkout Development:** Spearheaded the development of 1Checkout, enhancing user conversion rates by over 20%. Integrated various payment gateways including PhonePe, Razorpay, Snapmint, and Cashfree.
- **Feature Implementation:** Built features like partial COD, shipping, and blacklisting of emails, phone numbers, and cities. Improved user experience and reduced cart abandonment rates.
- **System Optimization:** Conducted thorough code reviews, implemented code optimizations, and ensured adherence to PEP8 standards, resulting in improved system performance and maintainability.
- **Customer Interaction:** Engaged with merchants on calls to gather feedback and built features based on their needs, enhancing product relevance and user satisfaction.
- **Collaboration and UX Enhancement:** Actively collaborated with cross-functional teams to brainstorm and implement UX improvements, shaping the direction of the project.
- **Crisis Management:** Successfully navigated critical production failures, demonstrating strong multitasking abilities and effective problem-solving skills.

FactWise  | *Python, Django, PostgreSQL, Docker, Celery*

July 2021 - July 2023

- **Source to Pay System:** Designed and implemented a comprehensive source-to-pay system, streamlining procurement processes and improving efficiency.
- **Backend Development Leadership:** Owned and developed over 90% of the modules, including events, negotiation, purchase orders, draft purchase orders, invoices, quality checks, goods receipts, admin panel, notification configurations, and approval flows.
- **Quality and Code Maintenance:** Adhered to clean code principles, enhancing the accuracy, modularity, and overall quality of the codebase.
- **Team Collaboration:** Worked closely with product management and engineering stakeholders to ensure efficient implementation strategies and high-quality deliverables.
- **Task Management:** Assigned tasks to team members based on their strengths and monitored progress to ensure timely completion of projects.
- **Mentorship:** Mentored PM interns and dev interns, helping them ramp up, understand team dynamics, and learn to ask the right questions.
- **Customer Interaction:** Engaged with merchants on calls to understand their requirements and built features tailored to their needs, improving product usability and customer satisfaction.

Internships

Crio.do | *Django, Python, Bootstrap*

January 2021 – April 2021

- **Hands-On Learning Modules:** Successfully completed Crio's hands-on learning modules, gaining essential developer skills in HTTP, REST API, and Linux.
- **Timed Coding Challenge and Web App Development:** Demonstrated practical coding proficiency by completing a timed challenge and successfully developing a small-scale web app named Xmeme.
- **Doc Lib Development for Cloud File Transfer:** Developed and published Doc Lib, enabling users to transfer files seamlessly between different cloud service providers. This project showcased practical application of acquired skills in a real-world context.

StudyleagueIT | *HTML, CSS, JS, MySQL, PHP*

June 2019 – January 2020

- **Comprehensive Training Program:** Successfully completed a 1-month training program, gaining hands-on experience with HTML, CSS, MySQL, PHP, JavaScript, Bootstrap, and jQuery.
- **Internship Project - Acknosmart:** Collaborated with fellow interns to develop Acknosmart, a web interface designed for classes to efficiently maintain and manage information related to enrolled students, courses, payment details, and expenses.

Projects

Sitechecker  | *Python, Django, PostgreSQL, Docker, Bootstrap, Redis, Celery*

- **Infrastructure Monitoring Platform:** Developed a free, open-source, and self-hosted infrastructure monitoring platform capable of monitoring various services. Implemented alerting mechanisms, including SMS, E-mail, and Telegram alerts, to notify users in case of service misbehavior or downtime.
- **Extensible Plugin Functionality:** Incorporated extensible plugin functionality, enabling the creation of separate alerting and monitoring modules to cater to diverse monitoring needs.
- **Scalable Dockerized Stateless Workers:** Dockerized stateless workers, ensuring a scalable solution that can be easily expanded based on the number of monitoring checks required.
- **Efficient Task Distribution with Celery:** Managed Celery workers for efficient task distribution, dynamically adjusting the workload based on the number of service checks to maintain optimal performance and responsiveness.

B.E. Project | *Django, Python, Bootstrap*

- **Chest X-Ray Disease Detection:** Developed a diagnostic system utilizing chest X-rays to detect potential lung diseases in patients.
- **Lung Disease Identification:** Implemented algorithms to determine the presence of lung diseases, such as Pneumonia and Tuberculosis, based on the analysis of chest X-ray images.

Technical Skills

Languages and Frameworks - Python, Django Rest Framework, FastAPI, Git version control, Docker, Celery, Redis, Linux, SQL, JavaScript.

Tools - Sentry, ELK, Freshdesk, AWS

Education

Vivekanand Education Society's Institute of Technology

B.E. Computer Engineering

Aug. 2017 – June 2021

Mumbai, Maharashtra

K.D. College

H.S.C

June. 2015 – April 2017

Mumbai, Maharashtra

Meridian School

I.C.S.E

June. 2010 – March 2015

Kalyan, Maharashtra

Certifications

CutShort Advanced Python Certificate 