

Fenil A Gandhi

Pythonista | Autodidact



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[fenilgandhi](#)

SKILLS

	Proficient	Comfortable
Programming Languages	Python 3.10 PostgreSQL	Javascript C HTML
Frameworks	Flask Celery Automation Scripting Pandas	Django React
Deployment Tools	ECS EC2 SQS Lambda Shell API Gateway Route53 Git	Docker Azure Firebase

INTERESTED IN

Product Engineering | Software Reliability Engineering | Automation Engineering

WORK EXPERIENCE

➤ [The Downtown Club](#), DevOps Engineer

May 2022 - Oct 2023

Tech Stack : Python 3.10, AWS , Flask , Postgres, Shopify

- Led the design and implementation of the organization's backend infrastructure, efficient order processing, and advanced recommendation services empowering 100k users with seamless shopping experience.
- Engineered an automated event processing pipeline that successfully handled 100k daily events, ensuring data integrity, realtime product updates, efficient indexing of updates and resilience.
- Collaborated with data engineering team to optimize and deploy data science services, improving recommendations, product classification, and data enrichment.

- Managed the organization's AWS account, established security alerts, and implemented various tools. Additionally, oversaw the deployment of Sentry for event monitoring and actively contributed to several proof-of-concept projects, including NLP text search, image-based search, and Dall-E-powered image outscaling.

➤ **[Juvoxa](#), Python Engineer**

Sep 2020 - May 2022

Tech Stack : Flask, Postgres, Celery, Docker, Python3.8

- Developed and maintained backend services with over 70+ apis, serving data to both mobile and web applications, optimizing performance lags to achieve a p99 latency of 0.5 seconds.
- Engineered a robust event processing pipeline using Celery & Postgres, enabling efficient execution of asynchronous tasks, data synchronization pipeline, and timely user notifications.
- Optimized the search functionality to remarkably enhance the user experience, reducing the p90 latency from 8 seconds to 0.3 seconds.
- Streamlined development processes by establishing CI/CD pipelines, integrating end-to-end testing, and seamless deployments using Docker and Rancher

➤ **[p5.js](#), OpenSource Contributor**

Mar 2020 - May 2020

Tech Stack : Javascript, Mocha

- Improved unit test cases and added 84 new tests handling edge cases leading to overall increase in test cases coverage by 2.5%
- Proposed a standardized template for creating inline documentation, ensuring consistency and clarity among the contributors and users of the library
- Enhanced functionality and performance of 10 methods in the DOM module by updating them to ES6 standards and handling missing cases

➤ **[MagentaBi](#), Freelance Product Engineer**

Mar 2019 - Nov 2019

Tech Stack : Python3.4 , Flask , MYSQL , React

- Pioneered the development of MagentaBi's backend architecture
- Designed a tool for extracting, minifying about 100 GB of data per month from ERP on daily basis, pushing to master databases with remote management features, automated updates.
- Optimized MYSQL procedures for on-demand analytics charts, replacing backend data processing reducing response time by 50%.

➤ **[Pivoting Softwares Ltd](#), Backend Developer**

May 2018 - Jan 2019

Tech Stack : Django , React , MySQL , Python3.4

- Developed backend services for a high-value transaction management fintech product and managed its deployment.
- Implemented binary generation tool which converted backend code to executable binary files before deployment for Django.
- Implemented customer transactional flows from specs to production.

OTHER PROJECTS

- **Moonpie , Sheldon Cooper Chatbot** **Sep 2023**
 - Developed a chatbot by fine-tuning Llama-2-chat to respond to user queries by emulating the speaking style of Sheldon Cooper.
- **QuadCopter, B.E. Final Year Project** **Aug 2018 - Jun 2019**
 - Successfully assembled an FPS Quadcopter through comprehensive hardware component research and analysis. Conceived and optimized a controlling software for the same.

EDUCATIONAL QUALIFICATION

DEGREE	UNIVERSITY	INSTITUTION	YEAR	CGPA / %
Post-Graduation	GTU	L.D. College of Engineering	2017 - 2019	8.37
Graduation	GTU	GEC, Gandhinagar	2013 - 2017	7.86
HSC	GSEB	H. B. Kapadia	2011 - 2013	84.5%

EXTRA-CURRICULAR ACTIVITIES

Network Maintenance | 2018

Successfully Deployed OpnSense Firewall and Proxy for College Network and Maintaining It.

Introduction to Programming | 2018

Taught 2 labs of 60 students each, fundamentals of Programming with practical examples for 6 months.

Introduction to Python | 2016

Organized and Taught a 4-month introductory course on Python.

Catch Him If You Can | 2015

Lead Technical Support during the 2-day State level Workshop on "Ethical Hacking".

Location : India 

Job Preference : Remote
