

Apnatva Singh Rawat

APNATVA.VERCEL.APP | APNATVARAWAT90@GMAIL.COM

PYTHON | SQL | REACT | FULL-STACK DEVELOPER

SUMMARY

Full-stack Software Developer with two years of experience developing web and standalone applications. Strong problem-solving abilities and quick to ramp up on new programming tools and languages. Adept at working with cross-functional teams to deliver production-grade applications, and translating client requirements into technical specifications. Experienced in building AI Models, debugging, version management, agile development, and deployment of micro-services and applications to cloud and serverless environments.

EDUCATION

TRINITY COLLEGE DUBLIN — OCT 2023

Bachelor of Engineering, Computer Engineering - First Class Honours/1:1

TECHNICAL SKILLS

Programming Languages: Python, Next.js(React), SQL, HTML, CSS

Others: Linux, Scrum, Azure, Kafka, Docker, Kubernetes, Bitbucket CI/CD, Jenkins, Helm, Loki, Prometheus, Grafana, REST APIs, POSTMAN, Anaconda, PyTorch, TensorFlow, Pandas, NumPy, Beautiful Soup, Selenium

EXPERIENCE

FREELANCING — SEP 2024 - NOW

FULL-STACK DEVELOPER

- Architected a full-stack *Next.js(React)* app using *JavaScript(JSX)* and *TypeScript* to build dynamic webpages with *PayloadCMS* to enable quick SEO changes enabled via an *ORM(PostgreSQL)* storing data in an *S3 Bucket*.
- Managed versions via *Git(Hub)* and deployed on Vercel enabling SSR, Static Pages, and Dynamic Page Creation optimising storage and ORM via Supabase to minimise loading times and improve SE.

PYTHON DEVELOPER

- Developed a *Python*-based *Windows* standalone application to automate consolidation of financial data with over \$10M in yearly transactions, utilising *Pandas* for data manipulation and *Tkinter* for generating a GUI.
- Reduced processing time from 5 days to ~17 minutes in consolidating *Excel* data from 34 sites, and generating 11 reports to aid auditors in analysing and providing valuable insights.

AVAYA INTERNATIONAL — MAY 2023 - JUL 2024

JUNIOR SOFTWARE DEVELOPER

- Maintained a multi-tenanted *Kubernetes*-based web application with *Docker* and *Spring Boot*, containerised micro-services deployed on *Azure Cloud*, requiring 99.9% uptime across multiple regions.
- Developed and maintained 16 real-time *Go* and *Java(Maven)* based micro-services integrated with *Apache Kafka* and *NATS* while utilising *Git(Bitbucket)* and *Helm* for version management and deployment.
- Led development of 2 new full-stack features utilising *JIRA* to track progress and assign work. Additionally, upgraded *Jenkins* CI/CD pipelines for automated QA testing and deployment of services to test environments.
- Monitored and debugged performance tests on *Azure Private Cloud* 72 hours via *Prometheus* and *Loki(Grafana)*.

MOUNT TECHNICS CONSULTANCY — MAY 2022 - AUG 2022

SOFTWARE DEVELOPER (INTERNSHIP)

- Engineered an automated data pipeline using *Python* and *Selenium* to retrieve information via web scraping and *REST APIs*, removing the need for manual intervention by 95%.
- Developed a script to scrape and process *JSON* data in multiple languages from Twitter, Google News, and Facebook, cleaning and compiling it into an *(MS)SQL* database for sentiment analysis in ~2 minutes.
- Collaborated 1:1 with a senior manager to meet weekly targets, ensuring high-quality deliverables and fulfilling 100% of the project requirements earlier than expected.

PROJECTS AND CERTIFICATIONS

- **Automate the Boring Stuff Certificate** - Selenium, Beautiful Soup, Excel Automations, Regex, Web Scraping.
- **AI Traffic Control System** - PyTorch, Deep Learning, AI Pipelines for Python integrated decision driving.
- **FreeCodeCamp Machine Learning Certificate** - Python, TensorFlow, PyTorch, Keras, NLP, Neural Nets.
- **Formula Trinity** - Git, Linux, Deep Reinforcement Learning, OpenCV, PyTorch.
- **Cyclistic Data Analysis** - Shell, SQL, Python, Pandas, NumPy, Excel, Tableau, PowerPoint.
- **Google Data Analytics Certificate** - SQL, R, Tableau, Statistical Analysis, Data Analysis and Visualisation.