

SMITKUMAR CONTRACTOR

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Summary

- Proficient in C++, Python, JavaScript, and RESTful API Development.
- Hands-on experience in working with Django, Node JS, React JS, API Design, and System Design
- Solid academic experience in Machine Learning, Computer Vision, Deep Learning, NLP, Time Series Analysis, and RL

Technical Skills

Languages: C++, Python, C, JavaScript, TypeScript, Java, Swift, SQL, NoSQL

Backend: Django, Node.js, Flask, Express, Hapi.js, REST, GraphQL, PostgreSQL, SQLite, OracleDB, MongoDB, Redis

Frontend/Mobile: React JS, Redux, Next JS, React Native, SwiftUI, Storyboards, HTML, CSS, Tailwind CSS

ML libraries: PyTorch, Tensorflow, Keras, PySpark, Pandas, Numpy, Scipy, Scikit-Learn, OpenCV, NLTK

Developer Tools: Vagrant, Postman, VS Code, Vim/Vi, Xcode, Google Cloud Platform, Android Studio

Technologies/Frameworks: Jenkins, GitHub, Docker, Kubernetes, Git, CI/CD, GCP, AWS, Linux, Unix, MacOS, Win

Experience

Hewlett Packard Enterprise

Apr. 2020 – Jan. 2022

Software Engineer 3

Roseville, CA

- Led and architected the Tibco Migration project for the HRIT team by developing 40+ enterprise-level Node JS, Hapi JS, and SnapLogic REST APIs and deploying them using the Kubernetes-driven HPE Ezmral. This project resulted in \$1 million in annual license savings for HPE and saved \$2 million+ of outsourcing costs.
- Enriched system metrics of all REST APIs by integrating Entmon logging frameworks.
- Designed, developed, and deployed the PMG to CMAP integration, which generated \$100K+ for the team.
- Performed data analysis on SnapLogic server logs to identify the root cause of crashes and presented it to the infrastructure team. The infrastructure team reduced server downtime by 15% by acting upon the suggestions.
- CI/CD, Pull Request, Code Reviews, Load/Stress/Unit/Integration/Component Tests

California State University

Jan. 2018 – Dec. 2019

Teaching Assistant

Chico, CA

- I worked as a teaching assistant while studying full-time at California State University.
- Calsses: Programming and Algorithms I, Programming and Algorithms II, Programming and Algorithms III

Hewlett Packard Enterprise

May 2018 – Aug. 2018

Software Engineer Intern

Roseville, CA

- Developed the functionality to divert the incoming traffic of the HPE switch to the CPU of the switch.
- Built 6 CLI commands for the HPE switch and implemented Unit, Feature, and Component tests.

Education

Georgia Institute of Technology

Jan. 2022 – May 2024

Master of Science in Computer Science | Machine Learning Concentration

CGPA: 4.0/4.0 | Atlanta, GA

California State University

Sep. 2017 – Dec. 2019

Bachelor of Science in Computer Science | Summa Cum Laude

CGPA: 3.969/4.0 | Chico, CA

Projects

eCommerce Store | Django, React, Redux, PostgreSQL, Digital Ocean Droplet

Mar. 2022 – Aug. 2022

- Developed an eCommerce platform using Django and Postgres backend and React JS frontend.
- Implemented a full-featured shopping cart, product reviews, rating capabilities, top products carousel, product pagination, a search feature, a user profile with orders, PayPal/credit card integration, and database storage.
- Created a Linux virtual machine to run on Digital Ocean so that the software can run from the cloud.
- Admin capabilities for product, user, and order management were added.

PDF Tools | Django, React, Redux, Firebase, Digital Ocean Droplet

Nov. 2022 – Jan. 2023

- Architected, designed, and developed the <https://www.freepdfhelper.com>, which offers 16 PDF tools free of cost.
- Key pdf tools are Compress PDF, PDF to Word, Split PDF, Extract PDF, Lock, Password Protect and Unlock PDF.
- Both frontend and backend applications are deployed on DigitalOcean droplets. The website has 1k visitors daily.