

CHANDHANU MOHAN KALAMANI

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EXPERIENCE

HEWLETT PACKARD ENTERPRISE

Bengaluru, INDIA

System/Software Engineer

07/2019-08/2022

- Played a pivotal role in developing the Apache NonStopHTTP web server for the Tandem NonStop System (HPC), driving 53% of NonStop systems' revenue, accounting for 20% of HPE's total revenue in 2022 Q2.
- Led the team in developing a cross-platform migration tool, offering enhanced customization, security features, and upgrade capabilities, resulting in an 80% increase in customer migration within four months of release.
- Streamlined manageability framework by designing a Jinja Templating engine with Ansible playbooks, integrating up to 14 NonStop middleware products into one, resulting in streamlined product deployments.
- Spearheaded the Python manageability framework design for the Apache web server deployments, ensuring the timely launch of the NonStopHTTP web server, exceeding 2021 Q1 and Q2 goals ahead of schedule.

HEWLETT PACKARD ENTERPRISE

Bengaluru, INDIA

R&D Intern

01/2019-06/2019

- Architected an API-driven backend monitoring service utilizing WSGI, FastAPI, and Python automation, resulting in a significant reduction of average load time from minutes to less than 1 second.
- Overhauled HPE's legacy web server framework, ensuring reliability by addressing 80+ backlogs.

SHAKTHI GROUP OF COMPANIES.

Coimbatore, INDIA

Web Developer

01/2017-06/2018

- Designed inventory management system using JS, Django, and MongoDB, increasing productivity by 75%.
- Revamped product portfolio websites to elevate the company products in Business Network International(BNI), resulting in a 20% increase in business connections and promoting collaborative opportunities nationwide.

PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

Coimbatore, INDIA

Research Intern

08/2016-03/2017

- Directed the deployment of private cloud infrastructure with OpenStack, to host over 10+ startup products.
- Increased the product's market presence by 80%, contributing to its growth.

EDUCATION

RUTGERS UNIVERSITY

New Jersey, NJ

Master of Science in Computer Science

08/2022-05/2024

- Resolved over 120 software issues as the Technical Support Specialist, enhancing Digital Classroom Services.
- Officiated sports tournaments for Rutgers Recreation, ensuring fair play and promoting sportsmanship.

PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

Coimbatore, INDIA

Bachelor of Engineering, Major in Computer Science with First class distinction

08/2015 - 05/2019

- Demonstrated leadership as the elected Joint Secretary of the Computer Science and Engineering Association.

PROJECTS

CALIBRO: *Django, Docker, GitHub Actions, FastAPI, GCP, Travis CI, Google Docs, TDD.*

- Developed the calibration management system for diagnostic medical devices, resulting in a 66% reduction in medical errors across 60 hospitals managed by PSG Institute of Medical Science and Research.
- Incorporated Docker, GitHub Actions, and Travis CI to automate test-driven development, resulting in a 50% reduction in Test Driven Development model.

MINDFILTER: *OpenAI, LyreBird, RESTful API, Python, Django, JS, Postgres DB, Docker, GCP.*

- Implemented a robust AI model to differentiate between facts and episodic memory for individuals with mental health conditions with 83% accuracy: integrated RESTful API services and Postgres DB, secured with OAuth2.

TECHNICAL SKILLS

- **Languages:** Python, C, C++, JavaScript, Shell Scripting, HTML/CSS, PHP, MySQL, NOSQL.
- **Frameworks:** Jinja Template Engine, Django, Flask, REST APIs, FAST API. **Cloud:** GCP.
- **Dev Ops:** Git, Docker, Ansible, GitHub Actions, Travis CI. **Open Source:** Apache, OpenStack, Linux.
- **Certifications:** Advanced Python Programmer (HPE), Cisco Certified Network Associate(CISCO).
- **Awards:** STAR Recognition Award (HPE, 2022). Outstanding Contribution Award x2 (PSG).