

CHANDHANU MOHAN KALAMANI

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EXPERIENCE

HEWLETT PACKARD ENTERPRISE

Bengaluru, INDIA

System/Software Engineer

07/2019-08/2022

- Collaborated in developing the high-performance 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.
- Pioneered the team in architecting a cross-platform migration tool, providing enhanced customization options including security features and upgrade capabilities, boosting customer migration by 80% within 4 months of release.
- Automated the migration tool, achieving a 90% automation rate while ensuring accuracy and boosting performance.
- Streamlined manageability framework pipeline by designing a Jinja Templating engine with Ansible playbooks, integrating all NonStop middleware products into one platform, resulting in 25% 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.

R&D Intern

01/2019-06/2019

- Engineered an API-driven backend monitoring service using WSGI, FastAPI, and Python automation, reducing average load time to milliseconds, contrasting with the previous 1-minute load time.
- Overhauled HPE's legacy web server framework, ensuring reliability by addressing 40+ 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

New Jersey, NJ

Research Intern

08/2016-03/2017

- Directed the deployment of private cloud infrastructure with OpenStack, to host over 10+ startup products.
- Amplified the product's market presence by 80% thus propelling their 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, thereby 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 of diagnostic medical devices, leading to a reduction in medical errors by 66% across 60 hospitals managed by PSG Institute of Medical Science and Research.
- Incorporated Docker for containerization, GitHub Actions, and Travis CI for automating test-driven development; Utilized FastAPI and Google Cloud Platform services, significantly enhancing the project's scalability and reliability.

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

- Conceived a robust AI model to distinguish between facts and episodic memory tailored to mental patients with 83% accuracy; Effectively integrated RESTful API services along with Postgres DB and 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).