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 4 months of release.
- Streamlined manageability framework pipeline by designing a Jinja Templating engine with Ansible playbooks, integrating all NonStop middleware products into one, 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**
- Designed an API-driven backend monitoring service utilizing WSGI, FastAPI, and Python automation, resulting in a significant reduction of average load time from minutes to milliseconds.
- 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.
- 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).