

SATHYANARAYANA RAMESH

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Skills

- Python | Django | Openstack | Java | JavaScript | C++ | C | MongoDB | MySQL | Node | jQuery | NoSQL | Perl | PHP | Bootstrap | Git
- Azure | AWS | Jenkins | Cloud Computing | CI/CD | Unit Testing | Rabbitmq | Lambda | OOP | REST | API
- Microservices | Frontend | Backend | Full-Stack | English, Hindi, Kannada – All professional proficiency or above

Experience

Research Assistant Western Michigan University(Psychology Dept) MI, USA 01/2024 - present

- Developing a web-based preference assessment tool catering to researchers and educators, aimed at evaluating the preferred rewards of autistic children. Utilized video trials to enable subjects to express their preferences independently, eliminating the reliance on verbal communication.

Software Engineer Lead- Professional I Capgemini Engineering Bengaluru, India 03/2022 - 07/2023

- Key contributor to the **OpenStack** Cinder driver for IBM storage area networks, continuously improving its functionality to meet the evolving demands of modern storage infrastructures.
- Expanded automation test coverage for new volume group functionality, enhancing the driver's reliability and stability, crucial for dev and test environments.
- Led a high-performing team of three members in the development of volume migration with flash copy, a pivotal feature for efficient data management.
- Recognized with “**Outstanding Contribution**” award for best contribution to the project in two consecutive quarters, underscoring a consistent commitment to excellence.
- Actively contributed to the open-source community, collaborating with peers, sharing insights, and advancing IBM's presence in the open-source ecosystem.

Senior Systems Engineer Infosys Bengaluru, India 08/2019 - 03/2022

- Designed and implemented an API for response mail approvals, integrating seamlessly with Linux cron jobs for automated actions. Streamlined approval processes using Perl, SQL development skills.
- Created network templates for CISCO routers, optimizing configurations with technologies like Border Gateway Protocol, Static routing, and Access Control Lists. Demonstrated expertise in enterprise development and logging.
- Improved customer portals with user interface enhancements and developed supporting backend APIs using Flask.
- Developed a Python Django API for link utilization data, integrating RabbitMQ. Reduced data retrieval times using Redis caching, developing microservices and RESTful APIs
- Utilized MongoDB for data storage with a Pymongo interface, ensuring code integrity through GitHub. Deployed applications seamlessly with CI/CD pipelines, using Jenkins for continuous deployment.
- Started as a fresher and received the "Rookie of the Year" award for rapid development of key projects.

Software Engineer Intern Infosys Mysore, India 01/2019 - 04/2019

- Developed a full-fledged online food delivery system, featuring separate customer and restaurant interfaces.
- Implemented PHP for the server-side and MySQL as the database.
- Proficiently managed user profiles, orders, menus, and secure payments for customers, and provided menu management and billing tools for restaurants.

Education

Master of Science Western Michigan University Kalamazoo, MI, USA 08/2023 - present

- Major in Computer Science and Engineering 4.0 GPA

Bachelor of Engineering Global Academy of Technology Bengaluru, India 08/2015 - 07/2019

- Computer Science and Engineering 3.3 GPA

Certifications

- Introduction to Data Science – Coursera (07/2022) • Algorithmic Toolbox – Coursera (06/2022) • Cisco IOS XR – Udemy (07/2022)

Others

- **Insta Award** was awarded for the best efforts in meeting a strict deadline for the development of Product API integration. (06/2021)