
PROFESSIONAL SUMMARY

Experienced software engineer proficient in Python, Java, Node.js, and RedHat OpenStack. Led deployments of VNFs at Nokia, fostering client collaboration, disaster recovery solutions and automated testing of VNFs.

SKILLS

Python, Java, Node.js, HTML/CSS, React, MySQL, MongoDB, Pandas, NumPy, AWS, RedHat OpenStack, Git, Selenium, Cucumber, JUnit, CI/CD

EXPERIENCE

Full Stack Developer, Stevens Institute of Technology-SERC, Jan 2023 - Dec 2023

- Developed a full-stack system in an agile environment for users to capture and visually interact with SERC ecosystem data, offering intuitive access to comprehensive insights for informed decision-making.
- Developed REST APIs with Node.js/Express.js for backend, HTML5/CSS for frontend, and D3.js for graphical data, enhancing user engagement by 40% with improved interface and visual aesthetics.

Nokia Networks and Solutions, Jun 2018 - Nov 2021

• Solution Engineer, 2 yr 6 mos:

- Deployed VNFs through ETSI NFV-compliant VNFM (CBAM) using HOT and YAML-based Ansible scripts speeding up deployment by 40% and closely coordinated with customers for testing and acceptance.
- Enhanced test coverage by 50% by implementing automated tests for VNFs and optimized CI/CD pipeline. Used Selenium WebDriver to validate UI elements, and used Cucumber's feature files to document tests.
- Analyzed UDP, TCP/IP, HTTP/HTTPS packets via Wireshark leading to a 40% decrease in network downtime.
- Developed Python scripts for automating cleaning and formatting data for DNS/ENUM/MNP databases, resulting in a 60% reduction of manual effort optimizing operational efficiency, and accelerating workflow timelines.
- Mentored GETs on IMS in general, its various nodes, and OpenStack cloud.

• Graduate Engineer Trainee, 1 yr:

- Executed subnetting/IP allocation for VPN, capacity planning, and geo-redundant planning for disaster recovery for DNS, ENUM, MNP, and Utpoxy VNFs, bolstering network resilience and resulting in 99.9% uptime.
- Prepared artifacts such as LLD, UAT documents, and MOPs reducing errors during execution and documentation.
- Scripted health checks and scheduling tasks with cron jobs, resulting in a 60% lowering of MTTR

PROJECTS

• Gym Management System - Node.js, Express, MongoDB, HTML, CSS:

Developed a state-of-the-art gym website prioritizing seamless user experience and enhancing operational efficiency.

• TickUrTasks application - Node.js, Express, SQL, React, Redux:

Effortlessly add, delete, mark tasks complete, edit descriptions with ease, view all tasks, and due date highlight for each task for comprehensive task management and a seamless user experience.

• ChatBox application - Java :

Developed a versatile messaging application facilitating seamless interactions between users through both one-to-one and one-to-many messaging capabilities. Uses Java Socket Class and Thread Class to create client-server architecture.

• Exploring key Factors for Success of Sci-Fi movies - Python, Selenium Webdriver:

Conducted in-depth analysis of critical success factors in Sci-Fi films through sentiment analysis of user reviews.

EDUCATION

• Stevens Institute of Technology

Hoboken, NJ

Master of Science in Computer Science; GPA: 3.758

Jan. 2022 – Dec. 2023

• National Institute of Technology

Calicut, India

Bachelor of Engineering in Electronics and Communication ; GPA: 3.28

Aug. 2014 – May. 2018