Nimmikrishna Babu

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EXPERIENCE

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

- Full-stack system offering intuitive access to comprehensive insights for users to capture and visually interact with SERC ecosystem data for informed decision-making.
- 40% increase in user engagement with improved interface and visual aesthetics by designing REST APIs with Node.js/Express.js for the backend, HTML/CSS for the front end, and D3.js for graphical data.

Solution Engineer - Nokia Networks and Solutions, Jun 2018 - Nov 2021:

- 40% increase in the deployment process by automating using HOT and YAML-based Ansible scripts
- 60% increase in test coverage and optimized CI/CD pipelines by automating tests using Selenium Webdriver and Cucumber's feature files to document tests.
- Decrease in network downtime by analyzing DNS, UDP, TCP/IP, HTTP/HTTPS packets
- 60% reduction in manual effort by developing Python scripts for automated cleaning and formatting data.
- 60% lowering of MTTR by health checks and scheduling tasks with bash script cron jobs
- Achieved 99.9% network uptime by IP, capacity, and geo-redundant planning resulting in 99.9% uptime.

PROJECTS

- **Gym Management System - Node.js, Express, MongoDB, HTML, CSS**:
  A state-of-the-art gym website prioritizing seamless user experience and enhancing operational efficiency, providing a one-stop solution for managing the day-to-day gym activities for management and customers equally.

- **TickUrTasks application - Node.js, Express, SQL, React, Redux**:
  Seamless user experience in adding/deleting tasks and marking tasks complete for comprehensive task management.

- **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.

- **Pantry Tracker - Next.js, React/Material-UI, Firestore, Vercel**:
  A real-time web application that's both scalable and user-friendly, enabling users to add items to their inventory, monitor quantities, and remove items when they're sold or used.

- **AI Customer Support - Next.js, React.js, OpenAI, Vercel**:
  A real-time AI chat interface that leverages the power of OpenAI's GPT models to provide responsive and intelligent support to users.

SKILLS

Python(3), Javascript(1), Java(1), HTML/CSS, React, JUnit, Cucumber, Selenium, SQL, MongoDB, Firestore, Git, AWS

EDUCATION

- **Stevens Institute of Technology**: Master of Science in Computer Science,   2022 – 2023
- **National Institute of Technology**: Bachelor of Engineering in Electronics and Communication,   2014 – 2018