

Vinoth Mani

Boston, MA • 8573505054 • mani.vin@northeastern.edu • linkedin.com/in/vinoth-linux/

Education

Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

Expected Dec 2023

- Relevant Coursework: Program Structure Algorithms, Concepts of OOPS, Enterprise Software Design, Network Structure & cloud computing, Software Engineering, Web design and Engineering, Design Patterns

Bachelor's in engineering

Velammal Engineering College, Chennai, India

March 2018

- Major: Computer Science Engineering

Work Experience

Software Engineer - Co-op Full Stack Development

Jul 2022 - Dec 2022

Blockalytics, Boston, MA

- Designed a new user interface with HTML, CSS, JavaScript and ReactJS and attracted new clients, boosting existing revenue by 37%
- Programmed python microservices architecture with flask Rest API and adding support for client UI functionalities meeting web browser standard and orchestrated it with docker containers
- Headed on developing new REST API in backend by python flask to integrate with frontend for user functionalities within a short timeframe maximizing productivity by 71%
- Improved deployment risks, lead times and secure rollbacks by implementing Continuous Integration and Continuous Deployment pipelines using GitHub Actions thus increasing software stability by 89%
- Developed a automated build system application from scratch in backend using python, reducing built time and manual works by 99%
- Engineered binary compilation python scripts to convert source code to binary and packaged to python library and publish it without revealing source code without breaking existing code functionality by 100%
- Writing unit test cases and automating scripts with Pytest ensured the application was delivered with 100% quality, meeting client and industry standards

Associate Software Engineer - Full Stack Development

Nov 2018 - Aug 2021

Scientific Games, Chennai, India

- Lifted revenue 1.9% and grew product sales by 4% by creating a web game application with JavaScript, NodeJS, hosted in cloud infrastructure, to drive business despite pandemic
- Expanded a JavaScript application by leveraging tremendous game features to attract a large audience by 28% to the casino with leaflet.js, JavaScript, typescript coding
- Resolved various user interface issues and devised card shuffling feature in poker, slot games with typescript, JavaScript, leading to better UI rendering by 19% with added feature
- Redesigned game development kit and built system to run games in various cloud infrastructure and established microservices architecture with docker, python, shell scripts improving OS adaptability by 100%
- Modernized a JavaScript user interface and deployed as a cloud service, allowing customers to run it anywhere, without requiring local installation or infrastructure, outpacing user-friendly interface by 91%
- Enhanced the customer service by developing a chatbot application providing solutions, eliminating the need to contact support team frequently as well as decreasing wait times by 55%

Technical Skills

Programming Languages & Methods: Python, JavaScript, Typescript, NodeJS, HTML, CSS, jQuery, SASS, Agile, Object-Oriented Programming

Framework and DB: Flask, Django, RASA, MongoDB, SQL, Redis, Microservices, Packer, python library development

Cloud: AWS, EC2, DNS, Lambda, RDS, VPC, CloudWatch, DynamoDB, Amazon Simple Email Service, S3, Route 53, CloudFormation, Code Deploy

Source control & Tools: GitHub, Perforce, CI CD, VS code, postman, Docker, Linux, Meld, Jira, curl, Confluence, Swarm

Additional Information

Soft skills: Creativity, Problem solving, Teamwork, Time management, Adaptability, Communication, Work ethics

Leadership: Owning <https://botbuilders.in/> and managing a team to teach various students about emerging technologies