Vinoth Mani

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Education

Master of Science, Software Engineering Systems

Northeastern University, Boston, MA   Expected May 2023

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

Bachelor's in engineering

Anna University, Chennai, India   March 2018

- Major: Computer Science Engineering

Work Experience

Software Engineer - Co-op Full Stack Development   Jul 2022 - Dec 2022

Blockalytics, Boston, MA

- Managed on developing REST API at backend by Flask python and UI Dashboard at front end utilizing JavaScript
- Improved deployment risks, lead times and secure rollbacks by implementing Continuous Integration and Continuous Deployment pipelines using GitHub
- Developed automated build system from scratch in backend using python, reducing built time and manual works
- Completed converting source code to binary and created python package library to be published where code can be shipped to any clients without revealing source

Associate Software Engineer - Full Stack Development   Nov 2018 - Aug 2021

Scientific Games, Chennai, India

- Created the full backend web game application with NodeJS and hosted in cloud infrastructure, enhancing the casino's revenue despite physical lockdown
- Implemented a JavaScript application leveraging tremendous game features to attract a large audience to the casino by JavaScript and leaflet js
- Resolved various user interface issues and devised card shuffling feature in poker game with typescript, JavaScript, leading to better UI rendering with added feature
- Redesigned game development kit and built system to run games in various cloud infrastructure and dockerized bash scripts to improve more adaptability using python, shell scripts
- Created a JavaScript user interface and deployed it in cloud services, enabling customers to operate it anywhere, without being able to install it locally or need of any establishments
- Developed a chatbot application providing customers with solutions, eliminating the need to contact support team frequently and the waiting period deploying RASA python backend

Technical Skills

Programming Languages : Python | JavaScript | Typescript | NodeJS | HTML | CSS | jQuery | SASS | Shell scripts
Framework and DB : Flask | Django | RASA | MongoDB | SQL | Firebase | REST API
Source control : GitHub | Perforce | GitHub DevOps | CI CD
Cloud : AWS | EC2 | DNS | Lambda | RDS | VPC | CloudWatch | DynamoDB | Amazon Simple Email Service | S3 | Route 53 | CloudFormation | Code Deploy
Tools : VS code | postman | Docker | Linux | Meld | Jira | curl | python library development | Scrum | Agile

Leadership

- Establishing own website, **https://botbuilders.in/** and managing a team to teach various students about emerging technologies in leisure time

Additional Information

- Designed a portfolio to showcase recent work and details **https://vinoth31596.github.io/**