Selvaraj D

Software Engineer, 5+ years experience
Dallas, United States
https://augmntx.com/profile/software-engineer-selvaraj-d/axf15309

+91 9820045154 | hr@augmntx.com

Leader and a self starter building enterprise products from startups to SAAS giants using Test Driven Development with NodeJS, React, GraphQL, NoSQL, Graph databases, AWS and collaborating with cross functional teams in an agile environment

INDUSTRIES: Goods and Services, Education

TECHNICAL SKILLS

• JavaScript	5 years
• React	5 years
• Python	5 years
• Node.js	5 years
• Vue.js	4 years

SOFT SKILLS

Effective communication, Time management, Leader

PROJECT DETAILS

• DBaskit September-2023 - December-2023

Project Description: This project is almost like a walmart clone for small and medium sized business with automated inventory options
Responsibilities: Developed services for cart functionality and UI for showing and adding items to card
Technologies: Java spring boot, Angular, MySQL
Industry: Goods and Services

• Business Buddy

Project Description: This is a GenAI powered chatbot that will answer questions based off a resources list gathered by a research org
Responsibilities: Developed the knowledge base and dataset for GenAI to consume. Integrated chatgpt within the website to answer questions like a chatbot
Technologies: Python, GenAI
Industry: Education

EMPLOYMENT HISTORY

• Graduate Assistant - Data

Description: ● Designed course performance dashboards using Python and Tableau improving the grant approval process by 30%. ● Reduced annual program report creation time by 40% through the implementation of new data recording policies. ● Streamlined data capture from on-premise CMS to Excel using Power Automate and Power BI, reducing data transformation time by 100%. ● Cut the time and effort required to update website content by 20% by introducing template configuration for an on premise CMS ● Developed a dashboard using Power Automate, Power BI, and Excel to fetch data from GoFundMe, resulting in an 80% improvement in comparing campaign progress ● Accelerated certificate creation and delivery time by 100% which helped organization’s resource cost by 15% using Python ● Implemented data summarization automation using Python for Family Business Ranking which reduced the time to analyze and create rankings by 30% using Python, Azure Cloud Functions. ● Designed a performance dashboard for students who enroll in Service Learning Excellence which helped tweak course content that directly impacted students landing 16% more internships and co-ops.

• Software Development Intern

TargetArc

Description: ● Converted business requirements to epics, user stories for more than 10+ features in 3 products. ● Implemented strategic lint configurations, leading to a 20% reduction in code review time and enhancing overall development efficiency. ● Orchestrated the end-to-end development of 4 distinct features and schemas across 3 products, encompassing both UI components and backend REST APIs, Authentication using OAuth, JWT ● Architectured the development of Dynamic Data Engineering pipelines using technologies such as Apache Airflow, RDF lib, and GraphDB, Allegro graph, sqlite3 and exposed GraphQL endpoints on top of these graph databases ● Wrote docker architecture for 5 products with development, testing and production environments ● Implemented CI/CD pipelines using git actions, docker configs and automated deployment to AWS cloud ● Mentored 3 others juniors developers with best practices and monthly 1 on 1s

• Member Technical Staff - Full June-2019 - July-2022

Zoho

Description: ● Led the front-end team for a prominent Marketing product with Zoho's ecosystem (Zoho LandingPage) ● Implemented 4 features comprising of 20+ RESTFul APIs which involved CRUD operations, analytics using Java spring, Hibernate ● Achieved a 100% reduction in man hours by optimizing a critical component involving 3-party integrations like Hubspot, Campaign Monitor, etc ● Developed and maintained CI/CD flows, ensuring efficient deployment through GitLab runners which improved time to test, deploy and iterate changes by 40% ● Analyzed customer feature usage metrics to create a user persona profiles and updated feature bundling to increase revenue by 15% ● Implemented a performance data collection model, reducing API response times by 13.5% improving heavy APIs ● Designed and built a popup builder with drag n drop, tracking features using Vuejs used by more than 50K users. ● Implemented CI/CD workflows using Git which improved team’s feature launch time by 30% ● Analyzed and optimized API calls which improved product signups by 30% and increased product customer satisfaction by 22%

• Data Analyst May-2018 - May-2019

Whirldata

Description: Worked on different NLP machine learning projects like asset classification, code recommendation, stock suggestions analysis

EDUCATION

• Masters degree in Computer Science from Texas State University 2022 - 2024

• Bachelors degree in Computer Engineering from Anna University 2014 - 2018

LANGUAGES

• English - native

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