# VENKHAT BALAJI

## Lead Software Engineer @ Finstreet | AWS Certified Solutions Architect - Associate

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🔗 https://venkhatbalaji-github-io.vercel.app  📍 Abu Dhabi

## EXPERIENCE

### Lead Software Engineer

**Finstreet**

📅 11/2023  📍 Abu Dhabi

- Led the development of new web application features, improving user engagement by **30%**.
- Spearheaded the integration of FIX protocol and matching engines for trading systems, ensuring seamless transaction flow with **99.9% accuracy**.
- Integrated Single Sign-On (SSO) authentication, enhancing security and improving user convenience for **thousands of users**.
- Streamlined deployment processes with GitHub Actions, cutting deployment times by **25%** and maintaining zero-downtime deployments.
- Led meetings with financial regulators, ensuring compliance with industry standards and reducing audit response times by **20%**.
- Mentored a team of 5 engineers, achieving **100% adherence** to coding best practices and reducing code defects by **20%**.
- Collaborated with product managers and designers to launch features on time, enhancing product-market fit.

### Senior Software Engineer

**Finstreet**

📅 11/2022 - 11/2023  📍 Abu Dhabi

- Optimized back-end performance with Node.js and Express, reducing API response time by **35%**.
- Designed and implemented matching engine functionalities, improving order matching efficiency by **40%** in high-frequency trading scenarios.
- Developed and maintained Restful APIs, ensuring scalability to support over **10,000 daily users**.
- Implemented Web-Socket architecture for real-time communication, reducing latency by **40%** and improving user experience.
- Integrated SSO for streamlined authentication across platforms, enhancing security protocols and reducing login times by **15%**.
- Conducted code reviews, achieving a **15% reduction** in critical bugs post-deployment.
- Actively engaged with regulatory bodies to ensure compliance, contributing to smoother audits and reporting.

### Development Engineer II

**Comcast**

📅 06/2022 - 11/2022  📍 Chennai

- Enhanced application performance by implementing client-side state management via Redux, resulting in **50% faster** load times.
- Developed RESTful APIs using .NET, supporting over **10,000+ daily users**.
- Led documentation efforts, improving team onboarding time by **30%**.

### Senior Software Engineer

**Prodapt**

📅 04/2021 - 08/2022  📍 Chennai

- Engineered full-stack solutions with React.js, Redux Sagas, and MSSQL, reducing API request times by **40%**.
- Maintained server-side logic with Node.js and .NET, improving database query efficiency by **25%**.
- Contributed to complex problem-solving efforts, resulting in **98% uptime** for web services.

## SUMMARY

Results-driven Lead Software Engineer with 8+ years of experience in developing and scaling high-performance web applications. Proven track record in leading cross-functional teams, optimizing cloud infrastructure, and delivering fintech solutions that comply with regulatory standards. Expert in AWS, .NET, React, Node.js, FIX protocol, matching engines, SSO integration, and CI/CD pipelines. Passionate about driving collaborative innovation and mentoring future engineers.

## SKILLS

Agile · Agile Development · API · ASP · ASP.NET · ASP.NET Core · ASP.NET MVC · AWS · Azure · CI/CD · Cloud Infrastructure · Computer Vision · Continuous Integration · CSS · CSS3 · Debugging · Docker · Entity Framework · Front-end · Git · Github · Github Actions · HTML · HTML & CSS · HTML5 · Javascript · Jest · Kubernetes · Mongodb · MSSQL · MVC · Mysql · Nest.js · Next.js · Node · Node.js · Octopus · Opencv · Postgres · Python

## EXPERIENCE

### Sulekha at Full Stack Developer

**Sulekha**

📅 11/2020 - 04/2021    📍 Chennai

- Over 2 years of experience in building full-featured web applications using C# ASP.NET MVC API and React.js Redux, Redux-Sagas, and other modern technologies
- Contributed to the development of several web applications from concept to production, using an agile development approach
- Comfortable working on both front-end and back-end, building responsive, user-friendly interfaces, and designing and implementing Restful API
- Strong foundation in HTML, CSS, and JavaScript, well-versed in React.js including the use of Redux and Redux-Sagas for state management
- Experience with front-end testing frameworks such as Jest and Enzyme, familiar with tools like Web Pack for module bundling
- Familiar with containerization technologies such as Docker and have experience deploying applications to cloud platforms like Azure and AWS
- Honed skills in problem-solving, communication, and collaboration, passionate about delivering high-quality software that meets business objectives

### Software Associate

**Cognizant**

📅 05/2019 - 11/2020    📍 Chennai

- Over 2 years of experience in building full-featured web applications using C# ASP.NET MVC API and React.js Redux, Redux-Sagas, and other modern technologies
- Experience with CI/CD using Team City for build and Octopus for deployment
- Contributed to the development of several web applications, from concept to production, using an agile development approach
- Comfortable working on both the front-end and back-end, building responsive, user-friendly interfaces, and designing and implementing Restful API
- Strong foundation in HTML, CSS, and JavaScript
- Well-versed in React.js, including the use of Redux and Redux-Sagas for state management
- Familiar with tools like Web Pack for module bundling

### Program Analyst

**Cognizant**

📅 05/2018 - 05/2019    📍 Chennai

- Contributed to cross-functional projects, improving team efficiency by **10%** through agile methodologies.
- Developed and deployed microservices using ASP.NET, resulting in **seamless scaling** across multiple environments.

### Project Intern

**Csir-ceeri**

📅 10/2017 - 04/2018    📍 Chennai

- Aspiring computer vision enthusiast with a strong background in Python programming, with a passion for solving complex image processing problems
- Gained extensive knowledge in Python programming and image processing techniques during studies
- Proficient in using **OpenCV** for object detection, tracking, and image segmentation

## EDUCATION

### Bachelor of Engineering

**Anna University**

📅 01/2014 - 10/2017    📍 Chennai

### High School Diploma, Computer Science

**AMM Matriculation Higher Secondary School**

📅 01/2010 - 10/2012    📍 Chennai