

# Jagath K R

Location: Bengaluru,Karnataka

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## FULL STACK WEB DEVELOPER

Highly motivated and adaptable **Full Stack Web Developer** with **2 years** of experience,in building scalable web apps and cloud-native solutions.Skilled in **Java, JavaScript, Node.js, React, Laravel, AWS DevOps, with strong exposure to FinTech**.Known for quickly understanding complex business logic and improving system performance. **Technology is never a barrier—I adapt fast, learn continuously, and thrive in dynamic environments**. Passionate about AI and FinTech, and eager to contribute to global, high-impact tech teams,Recognized for the ability to quickly analyze and implement complex business logic, improving system performance and user experience.

## TECHNICAL SKILLS

<b>Languages</b>	: Java, JavaScript, TypeScript, Python, SQL, PHP, HTML5, CSS3
<b>Frameworks and Libraries</b>	: React.js, Next.js, Angular, Node.js, Laravel, jQuery
<b>Cloud Platforms</b>	: AWS (EC2, S3, Lambda, RDS, Aurora), Google Cloud Platform , Oracle Cloud Infrastructure
<b>DevOps Infrastructure</b>	: Docker, Kubernetes, Terraform, AWS CloudFormation, Jenkins, GitHub Actions
<b>Version Control</b>	: (Git,GitHub,GitLab)/ <b>Databases</b> -[ MySQL, PostgreSQL, MongoDB, AWS Aurora, GCP BigQuery]
<b>Emerging Tech</b>	: Blockchain (Solidity, Web3.js), AI/ML (Foundations + practical interest)

## EXPERIENCE

### Finfolab Technology

Full Stack Developer

Nov 2023 – CURRENT

Himagiri Meadows, Bangalore

- Led the **TradeAction** project, overseeing the complete **design and development of the options strategy interface**. Built a robust workflow that transformed user-created trading strategies into executable signals, and further into broker-ready orders for India's top trading platforms. Enhanced user experience, optimized table RMD processes, and streamlined data handling for greater efficiency.
- Engineered and maintained **automated cron-based pipelines** to seamlessly convert strategies into live trading signals and route them as orders to integrated brokers. Supported both **options strategies** and **futures symbol strategies**, ensuring accurate and timely execution in high-volume trading environments.
- Managed the **signal transaction application**, enabling real-time, automated signal generation for clients. Diagnosed and resolved backend performance issues, ensuring uninterrupted service. Designed and deployed **cloud infrastructure** for UAT environments, improving scalability, reliability, and deployment speed.
- Worked extensively with **React.js, Angular, Node.js, JavaScript, and PHP**, combined with strong database management skills in **MySQL/SQL** to handle trading strategies, equity symbols, and transaction records across the platform.
- Conducted ongoing research and adoption of **best practices in algorithmic trading, fintech innovation, and cloud computing**, contributing to the platform's **performance, security, and market competitiveness**.

### Cognizant Technology Solutions

AWS Data AIA

Feb 2023 – Aug 2023

Internship – Chennai,India

- We developed a robust and efficient **Extract, Transform, and Load (ETL)** process leveraging multiple AWS services to streamline data integration and analysis for a large-scale enterprise.
- By combining the power of AWS Glue, AWS RDS, AWS SQL, Step Functions, and Automation for AWS Lambda, we achieved a scalable and cost-effective solution to process vast amounts of data and deliver actionable insights.
- Our ETL process project, built on **AWS Glue, AWS RDS, AWS SQL, Step Functions**, and Automation for AWS Lambda, showcased the power and flexibility of cloud-native solutions in handling complex data workflows.
- Assisted in the development of cloud-based solutions using **AWS and Azure**, gaining hands-on experience with various cloud services and architectural patterns.

**Muthayammal Engineering College-[B.E]**  
*Bachelor of Science in Computer Science [CGPA-8.2]*

Salem, Tamil Nadu, India  
*Aug 2019 – May 2023*

**Shri Vidhaya Bharathi Matric Higher Secondary School-[H.S.C]**  
*Computer Science [67 Percentage]*

Salem, Tamil Nadu, India  
*jun 2017 – may 2019*

**Nalandas Matric Higher Secondary School-[S.S.L.C]**  
*State Board [84 Percentage]*

Salem, Tamil Nadu, India  
*jun 2015 – may 2017*

## PROJECTS

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### **Project 1: AlgoEvent AI Recommendation System**

*Laravel, PHP, AWS ETL, AI, MySQL*

- \* Developed a robust **AI-powered web application** using the Laravel PHP framework to deliver real-time stock market news and mutual fund recommendations.
- \* Integrated AI models to analyze financial trends and provide **personalized investment suggestions** based on user behavior and market data.
- \* Implemented an **ETL pipeline on AWS** to extract financial data from external sources, transform it for analysis, and load it into a MySQL database for rapid retrieval and reporting.
- \* Optimized backend logic for **high performance and scalability**, ensuring real-time data delivery and responsiveness.
- \* Enabled secure user access, personalized dashboards, and role-based functionality for investors and analysts.

### **Project 2: Crypto Wallet DApp**

*Next.js, Node.js, Solidity, MetaMask, Sepolia Testnet*

- \* Designed and developed a secure and intuitive **Decentralized Application (DApp)** enabling users to connect their **MetaMask wallet** and perform **Ethereum transactions**.
- \* Built the **frontend using Next.js** and the **backend with Node.js**, delivering a seamless interface for blockchain interactions.
- \* Wrote and deployed efficient **Solidity smart contracts**, optimized for gas usage, security, and error handling.
- \* Tested Ethereum transactions using the **Google Sepolia test network**, simulating real-world use cases for validation and reliability.
- \* Managed collaborative development and version control through **GitHub**, ensuring code integrity, CI readiness, and deployment traceability.

### **Project 3 : AI Survey Builder Application**

*Next.js, Node.js, MongoDB, EC2, Apache2, GitHub*

- \* Developed a custom **AI-powered form and survey builder** enabling admin and users to generate tailored survey forms dynamically.
- \* Built the **frontend using Next.js** and **backend using Node.js** for efficient rendering and RESTful APIs.
- \* Implemented secure authentication and role-based access for both **admin and user panels**.
- \* Used **MongoDB** for flexible document storage and dynamic form schema management.
- \* Deployed the application on **AWS EC2** instance with **Apache2** as the web server and configured a **custom domain using Hostinger**.
- \* Maintained version control and collaborative development using **GitHub**.

### **Project 4**

*AI-Powered Stocks And Financial News Research Tool*

- \* Designed and developed a user-friendly research platform leveraging **LangChain, OpenAI embeddings** and **FAISS** for efficient financial data retrieval.
- \* Built a Streamlit-based interface for intuitive user interaction, enabling real-time **Q and A** with source references.
- \* Implemented features for URL input and automated processing using **UnstructuredURL Loader**, persistent indexing with FAISS, and embedding generation via **OpenAI API**.
- \* TStreamlined deployment and ensured maintainability with **Streamlit** and **Python**.

## CERTIFICATIONS

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- Coding Ninjas:Career Camp-Data Structures in JAVA
- Google Certified:Google Data Analyst
- AWS Certified:AWS Certified Cloud Practitioner