

# Krishna Ammayi Saye Sivakumaar

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## Summary

A motivated and detail-oriented Blockchain Development student with strong expertise in backend web development, containerization, and cloud solutions. I bring hands-on experience in smart contract development, blockchain infrastructure, and web3 integration. With a proven track record of delivering scalable solutions, I am seeking a Junior Blockchain Engineer role to contribute my technical skills and passion for innovation to a dynamic team.

## Experience

### Associate Software Engineer

*Banfico India Private Limited – Coimbatore, India*

*May 2021 – Jan 2023*

- Developed and maintained dedicated APIs for web-based open-banking solutions using Java Spring for worldwide clients, successfully supporting over 1 million API calls for transactions per month.
- Containerized applications with Docker, enabling faster deployment and reducing setup time, on an average from 30 minutes to 10 minutes.
- Collaborated with frontend and operations teams to integrate and deploy solutions, minimizing integration issues from an average of 5 per release to 2.
- Led version control using GitLab by resolving on an average of 5-10 support tickets per week, while improving task management and code review turnaround, resulting in about 2 days faster sprint cycle on an average.
- Mentored junior developers, reducing onboarding time from 3.5 weeks to 2 weeks, contributing to smoother project transitions.

## Technical Skills

- **Blockchain Platforms and Tools:** Bitcoin, Ethereum, Hyperledger Fabric, Cardano, Solidity, Hardhat, Truffle, DeFi
- **Programming Languages and Framework:** Java, Spring Boot, JavaScript(Node), Python, C, C++
- **Web Development:** JavaScript(React), HTML, CSS
- **Cloud Platforms:** AWS, Azure, Docker, Kubernetes, Terraform, Ansible
- **Databases:** MySQL, OracleDB, PostgreSQL, MongoDB

## Relevant Skills

- Smart contract development (Solidity, Hardhat)
- Problem-solving and debugging in blockchain environments
- Collaboration in team environments and client communication
- Strong analytical, debugging and critical thinking skills
- Passion for learning and adopting new technologies, especially in blockchain and decentralized systems

## Academic Projects

- **Blockchain-Based Voting System\* (Currently working on)**  
Working on a blockchain-based voting application using Hyperledger Fabric and smart contracts. Focused on ensuring data security, accessibility and transparency in voting records.
- **Two-Tier Web Application in AWS**  
(<https://github.com/NCC-0514/two-tier-web-application-automation-reflective-kangaroo>)  
Deployed a web application using AWS, Terraform for infrastructure as code, and Ansible for configuration management. Reduced manual configuration time by almost 39%, improved scalability and fault tolerance through the implementation of auto-scaling groups.
- **Containerized Application Deployment**  
(<https://github.com/Krishna1423/CLO835FinalProject>)  
Built and deployed stateless containerized applications using Docker and Kubernetes in AWS. Achieved around 23% improvement in resource efficiency by containerizing applications, enhancing deployment speed and service availability through Kubernetes' load balancing and auto-scaling features.

## Education and Certifications

### Post Graduate in Blockchain Development

*George Brown College – Toronto, Ontario (3.8\* GPA)*

### Post Graduate in Cloud Architecture and Administration

*Seneca International Academy – Toronto, Ontario (3.8 GPA)*

### Bachelors in Computer Science Engineering

*Kumaraguru College of Technology – Coimbatore, India (7.8 CGPA)*

- Blockchain Specialization: Blockchain Basics, Smart Contracts, DApps, Blockchain Platforms (Coursera)
- Cloud Practitioner Essentials Certification and Badge (AWS)
- Programming Foundations with JavaScript, HTML, and CSS (Coursera)
- Cryptography and Network Security (NPTEL Certification)