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Kadawatha, 11850, Sri Lanka

ABOUT ME

Results-driven Software Engineer with 6+ years of experience designing and delivering scalable backend systems using Java, Spring Boot, Microservices, and AWS. Proven contributor in product based and enterprise environments, with strong expertise in API development, CI/CD pipelines, and database optimization. Passionate about building high quality solutions, mentoring engineers, and delivering impactful, reliable systems.

EDUCATION

Master of Science in Information Technology
Sri Lanka Institute of Information Technology (SLIIT UNI) / Colombo / 2026

- Pending Graduation (March 2026) – Second Class Honours (GPA: 3.43)
- Research intensive MSc specializing in IoT driven systems, Deep Learning, and Cloud Architectures
- Designed and implemented a multispectral imaging based pest detection solution using Deep Learning Algorithms
- Built end-to-end Python DL pipelines, working extensively with real world datasets and model evaluation

Bachelor of Science in Information Technology
Sri Lanka Institute of Information Technology (SLIIT UNI) / Colombo / 2020

- Graduated with Second Class Honours (GPA: 3.23)
- Strong foundation in OOP, Data Structures, Databases, and Software Engineering Principles
- Completed multiple backend and enterprise application projects with emphasis on design, data handling, and scalability

Diploma in Information Technology
Esoft Metro Campus / Kurunegala / 2016

ACHIEVEMENTS

- FIDE-rated Chess Player (FIDE ID: 29964245)
- Multiple championship wins at District, Provincial, and All-Island levels
- Former Team Leader – School Chess Team

LINKS

LinkedIn:
<https://www.linkedin.com/in/charith-banneheka>

Portfolio:
<https://charithtechtinkerer.github.io/charith-portfolio>

GitHub:
<https://github.com/CharithTechTinkerer>

LANGUAGE

English

REFERENCES

Referees available on request.

Charith Banneheka

SENIOR SOFTWARE ENGINEER

WORK EXPERIENCE

Senior Software Engineer
IFS R&D International (Pvt) Ltd / Colombo / Jun 2024 - Present

Software Engineer
IFS R&D International (Pvt) Ltd / Colombo / Oct 2022 - Jun 2024

Software Engineer
Digiratina Technology Solutions / Colombo / Oct 2020 - Oct 2022

Associate Software Engineer
Digiratina Technology Solutions / Colombo / Jan 2020 - Oct 2020

CERTIFICATIONS

IFS Certified Practitioner - IFS Cloud Web Developer

AWS Certified Developer - Associate (Reading)

PROJECTS

IFS Cloud Asset Management & File Storage Migration – IFS R&D International

- Contributed to backend feature development and enhancements across multiple IFS Cloud Asset Management releases (23R2–26R1), covering Work Definition, Work Execution, Planning & Scheduling, APM, and Docman/File Storage.
- Led development and enhancements of the IFS Cloud File Storage Migration Tool, enabling large-scale document migrations from legacy IFS Apps (8/9/10) and FTP/Shared repositories to IFS Cloud.
- Implemented scalable backend improvements, resolved complex customer reported issues, and supported EA/GA validation, Service Updates, and release readiness in a product-based R&D environment.

Central Number Pool Management System – Dialog Axiata PLC (Sri Lanka ISP) (Client Project via Digiratina Technology Solutions)

- Designed and implemented core backend modules to manage GSM/CDMA number search, allocation, generation, recycling, and lifecycle status management.
- Developed robust RESTful APIs to support number pattern generation and automated number state transitions.
- Led database design and backend optimization efforts, ensuring high performance, data integrity, and scalability.

Hubbed

- Contributed to HUBBED, a large scale logistics collection point platform supporting parcel pickup and drop off services for global providers such as DHL, FedEx, UPS, SEKO Logistics, and TNT.
- Developed secure, scalable backend APIs for microservices, ensuring reliability and performance across distributed systems.
- Collaborated closely with cross functional teams to deliver high quality solutions in an agile environment.

Payment Engine - Dialog Axiata PLC (Client Project via Digiratina Technology Solutions)

- Contributed to the Cloud Payment Engine responsible for postpaid payment processing, integrating with the charging gateway through a suite of 10+ core APIs.
- Led backend implementation to revamp legacy APIs, migrate data, and convert PL/SQL stored procedures into Java-based microservices.
- Served as Scrum Master alongside development responsibilities, supporting sprint ceremonies and ensuring smooth project delivery.

Document Tracker - Dialog Axiata PLC (Client Project via Digiratina Technology Solutions)

- Designed and enhanced an enterprise document tracking system to monitor digitized customer documents across all lifecycle stages.
- Built scalable, standards compliant backend APIs supporting application type management, location mapping, user role and permission handling, and data migration.
- Acted as a Back End Developer and Shadow Scrum Master, contributing to agile coordination and delivery.

TOOLS & TECHNOLOGIES

- **Programming Languages & Web Technologies:** Java, JavaScript, Python, C/C++, C#, HTML5, CSS3
- **Frameworks & Libraries:** Spring Boot, Hibernate, JPA, JDBC Template, Angular, React
- **Version Control & Collaboration:** Git, Bitbucket, Jira, Confluence
- **CI/CD, DevOps & Monitoring:** Jenkins, SonarQube, Grafana
- **Messaging & Streaming:** Kafka
- **Cloud & AWS Services:** AWS Batch, CloudFront, EventBridge, Elastic Beanstalk, Lambda, S3, WebSocket, RDS, ECS, EC2
- **Databases:** PostgreSQL, MySQL, PL/SQL, MS SQL Server, MongoDB, DynamoDB, Firebase
- **API & Testing Tools:** Postman, JUnit, Mockito
- **Software Engineering Concepts:** OOP, UML, Microservices
- **IDEs & Tools:** IntelliJ IDEA, Spring Tool Suite (STS), Eclipse, NetBeans

SKILLS

Backend Development & REST API Design	Microservices & Distributed Systems
Cloud-Native Application Development (AWS)	Database Design & Optimization
CI/CD Pipelines & DevOps Practices	Test-Driven Development & Code Quality
Agile / Scrum Delivery & Team Collaboration	Technical Mentoring & Knowledge Transfer