

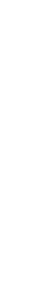
CHARITH BANNEHEKA

SENIOR SOFTWARE ENGINEER

CHARITH BANNEHEKA
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CONTACTS

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171, Dehikumbura, Kalugamuwa,
Kurunegala, 60000, Sri Lanka

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

KEY 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

LINKS

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

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

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

LANGUAGE

English

ABOUT ME

Senior Software Engineer with 6+ years' experience delivering scalable enterprise backend solutions using Java, C#, .NET, microservices, cloud platforms, and relational databases across product-based and consulting environments.

WORK EXPERIENCE

Senior Software Engineer, IFS R&D International (Pvt) Ltd, Colombo

Jun 2024 - Present

Senior Software Engineer in a product-based R&D environment, contributing to the design, development, and release of core backend features and tooling within the IFS Cloud Asset Management platform.

Key responsibilities & achievements

- Designed and enhanced backend features and business logic across IFS Cloud Asset Management, aligning solutions with product roadmap, architecture standards, and multi-release delivery cycles (23R2–26R1).
- Led development and continuous enhancement of the IFS Cloud File Storage Migration Tool, enabling large-scale customer migrations from legacy IFS Apps (8/9/10) and external repositories (DB, FTP, Shared).
- Delivered feature improvements including CLI enhancements, source-type selection logic, large-file handling, and customer-specific extensions, supporting successful global cloud migrations.
- Resolved critical customer-reported defects through advanced debugging and root-cause analysis, improving product stability and release readiness.
- Collaborated closely with Product Management, QA, UX, and global R&D teams, contributing to EA/GA validation, Service Updates, and successful release cycles.

Software Engineer, IFS R&D International (Pvt) Ltd, Colombo

Oct 2022 - Jun 2024

Worked as a Software Engineer in a product-based R&D environment, contributing to backend feature development, defect resolution, and performance improvements within the IFS Cloud Asset Management domain.

Key responsibilities & achievements

- Developed and enhanced backend features and business logic using Oracle PL/SQL, improving data consistency, performance, and overall system reliability within IFS Cloud Asset Management.
- Optimized and refactored PL/SQL components to improve backend performance and data integrity across feature enhancements and defect fixes.
- Investigated and resolved customer-reported issues through root-cause analysis, delivering timely fixes and supporting stable production and service update releases.
- Actively participated in Agile Scrum practices including sprint planning, code reviews, and retrospectives, ensuring adherence to engineering and quality standards.
- Collaborated closely with QA and cross-functional teams to support release cycles, improve system stability, and enhance customer experience.

Software Engineer, Digiratina Technology Solutions, Colombo

Oct 2020 - Oct 2022

Promoted to Software Engineer and took increased ownership in designing, developing, and reviewing backend services for large-scale telecom, logistics, and enterprise platforms using cloud-native and microservice-based architectures.

Key responsibilities & achievements

- Designed and developed scalable backend REST APIs and microservices for telecom, logistics, and enterprise systems, ensuring reliability and production readiness.
- Collaborated closely with clients, DevOps, and cross-functional teams, participating in requirement clarifications, technical discussions, and Agile Scrum ceremonies.
- Performed code reviews and contributed to maintaining high coding standards across cloud-native applications.
- Contributed to HUBBED, a cloud-based logistics platform enabling Click & Collect, Drop-off, and returns services, with backend services deployed on AWS.
- Delivered a Data Retention & Archiving solution by migrating historical Oracle data to AWS Aurora using secure, automated backend APIs.
- Implemented and released multiple telecom solutions including Customer Blocklist microservices and DTV679 USSD/SMS platforms, supporting UATs, production deployments, and knowledge transfer sessions.

Associate Software Engineer, Digiratina Technology Solutions, Colombo

Jan 2020 - Oct 2020

Started the career as an Associate Software Engineer in a startup environment, contributing to backend development for telecom and enterprise systems while gaining hands-on experience in APIs, Agile delivery, and client collaboration.

Key responsibilities & achievements

- Developed backend REST APIs and business logic for telecom and enterprise applications using Java and Spring-based services.
- Contributed to a Central Number Pool Management System, supporting GSM and CDMA number allocation, pattern generation, and full number lifecycle management.
- Designed and implemented backend APIs for a Document Tracking System, including application types, user roles, access control, and data migration from legacy systems.
- Actively participated in Agile Scrum practices including sprint planning, daily stand-ups, reviews, retrospectives, and backlog refinement.
- Collaborated with clients and internal stakeholders to clarify requirements, communicate progress, and resolve technical blockers in a fast-paced startup environment.
- Gained end-to-end exposure to startup product development, strengthening backend engineering, problem-solving, and cross-functional teamwork skills.

CERTIFICATIONS

IFS Certified Practitioner - IFS Cloud Web Developer

AWS Certified Developer - Associate (Reading)

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

REFERENCES

Referees available on request.