

CHARITH BANNEHEKA

SENIOR SOFTWARE ENGINEER



CONTACTS

+94 71 424 3621	
banneheka.cp@gmail.com	
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://charithtechinkerer.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.