

Anuththara Sachini Anandaraj

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 3+ years delivering production telecom and banking systems across Sri Lanka, international clients. Independently architected and delivered an enterprise-grade API testing automation platform end-to-end from system design and technology selection through to a fully containerized, production-ready implementation. Strong foundation in Java/Spring Boot microservices, event-driven architectures, and distributed systems, with hands-on experience modernizing legacy platforms and mentoring junior engineers. Eager to take on greater technical ownership and contribute across varied domains and stacks.

EDUCATION

BEng(Hons) Software Engineering - Upper Second Class Honors with Industrial Placement 2019 – 2023
INFORMATICS INSTITUTE OF TECHNOLOGY - Affiliated to University of Westminster UK
G.C.E. Advanced Level Examination - Combined Mathematics, Physics, ICT 2005 – 2018
Bolawalana Ave Maria Convent, Negombo, Sri Lanka

EXPERIENCE

Software Engineer July 2023 – Present
hSenid Mobile Solution (Pvt) Ltd, Sri Lanka

- Develop and maintain features across multiple active production telecom and banking systems serving clients in Sri Lanka, Congo, and Brunei
- Contributed to JDK 8→21 and Spring 3→6 migrations for legacy SMSC and ENUM platforms, eliminating security vulnerabilities and enabling modern dependency adoption
- Mentored and supervised interns, providing guidance on coding standards and project tasks, conduct code reviews to enforce quality across the team

Trainee Software Engineer July 2021 – Oct 2022
hSenid Mobile Solution (Pvt) Ltd, Sri Lanka

- Contributed to an OAuth2/Keycloak-based authentication API for Brunei third-party delegation flows
- Contributed as a full-stack developer on a Sri Lankan banking analytics platform covering backend APIs, frontend, and data warehouse integration, Solely owned the Extraction and Segmentation module end-to-end within that platform
- Managed software releases with detailed release documentation and collaborated in Agile Scrum teams, consistently delivering features on schedule

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, Kotlin, SQL, HTML, CSS

Frameworks: Spring Boot, Spring MVC, Hibernate, Flask, React, Next.js, React Native, Angular, NestJS, Tailwind CSS

Databases: MariaDB, MongoDB, MySQL, PostgreSQL, Firebase, Redis

Cloud and DevOps: Docker, Docker Compose, AWS, Git, Heroku, Nginx, Apache Tomcat

Security: Keycloak, OAuth2, JWT, SSL/TLS

Other: REST APIs, GraphQL, Grafana, Loki, Allure, Wireshark, Postman, Playwright, BullMQ, TensorFlow, Keras, Deep Learning

KEY PROJECTS

API Testing Automation System (Solo Developer using GenAI Tools)

NestJS, react-admin, TypeScript, PostgreSQL, Playwright, Docker, Redis, Loki, Grafana, Docker Compose Jan 2025 – Present

- **Sole owner** of the full SDLC: independently defined requirements, designed system architecture, selected the entire technology stack, and implemented all components from scratch
- Architected a distributed test execution engine using BullMQ and Redis queues, with SSH-tunneled connections to multi-server CPaaS environments (AWS and OpenStack) across multiple operators (Ideamart, Robi)
- Designed a three-pillar verification model covering API response validation (Playwright), cross-server database verification (MySQL and MongoDB via SSH tunnel), and real-time log verification via Loki and Grafana Alloy deployed on remote servers
- Built a React Admin frontend for test case creation, cycle scheduling, and result review with expected-vs-actual diff views, containerized the full stack with Docker Compose for CI/CD-ready deployment

USSD Mobile Banking Platform - Congo

Java, Maven, Spring Boot, MariaDB, Nginx

Sept 2023 – Aug 2024

- **Lead developer** on an end-to-end USSD mobile banking platform built from scratch on top of an existing base module and planned features, provided technical guidance and KTs to other developers, and drove delivery from inception to production
- Designed dynamic USSD menu workflows and implemented core wallet APIs: balance inquiry, fund transfers, mini-statements, airtime top-ups, pay-TV, and bill payments
- Integrated Keycloak for authentication and Grafana for real-time transaction analytics, resolved critical encryption and transaction logging issues in production

Teleco Payment Gateway System

Java, Maven, MySQL, Ant, Tomcat, JSP, JavaScript, CSS

Aug 2024 – Dec 2025

- Worked across frontend (JSP/JavaScript) and backend (Java/Hibernate) on a legacy telecom payment gateway, delivering change requests related to bonus transaction flows, reverse transactions, and reporting with CSV export
- Performed bug fixing and, during resource allocation periods, took on QA responsibilities due to in-depth platform knowledge

Teleco ENUM Query Platform

Java, Spring, Spring Boot, MySQL, Docker, Keycloak

Nov 2024 – Nov 2025

- Upgraded legacy platform from JDK 8 to JDK 21, Spring 3.2.3 to Spring 6 and MySQL 5 to MySQL 8.4, replaced CAS with Keycloak and enabled SSL/TLS across all APIs and DB connections

Teleco Signaling SMSC Platform Projects

Java, Maven, Spring, MongoDB, React, Keycloak, Nginx, Docker, Scala

July 2023 – March 2025

- Contributed to JDK 1.7→21 and Spring→6.0.12 upgrades for SMPPGW and SMSC modules, migrated TokuMX to MongoDB 7 resolving clustering and dependency conflicts
- Replaced legacy CAS auth with Keycloak 21 across 5+ modules, configured HTTPS with Nginx and Apache, resolved 10+ critical bugs in SMSC provisioning and customer care UI

Banking Analytics Platform

Java, React, TypeScript, GraphQL, Spring Boot, Tomcat

Sept 2021 – Oct 2022

- Independently built the Extraction and Segmentation module, implemented backend GraphQL APIs and React frontend with data warehouse integration

International Teleco Signaling Platforms (SMSC, Customer Care, Missed-Call Alerts)

Java, Maven, MariaDB, Keycloak, Docker

July 2023 – Aug 2025

- Upgraded and secured authentication by migrating to Keycloak, fixing encryption flaws across 5+ modules
- Resolved 10+ critical bugs in SMSC provisioning and customer care UI, improving system reliability

Authentication and Authorization API System

Java, Kotlin, GraphQL, Spring Boot

Aug 2021 – Sept 2021

- Assisted in maintaining API security and fixing minor bugs in the token-based authentication flow

TeleDerm - Skin Disease Identification Mobile App

React Native, TypeScript, Python, Firebase, Flask, TensorFlow, Keras, Deep Learning

Sept 2022 – May 2023

- Developed mobile app for identifying 7 common skin diseases using EfficientNet B0 and Neural Networks
- Provided disease stages, self-care recommendations, and user medical journal features

ACHIEVEMENTS & CERTIFICATIONS

- 11th place in SheCoderess V4.0 national coding competition in Sri Lanka (2022)
- Selected presenter at Cutting Edge 2023 technology conference in Colombo, Sri Lanka
- House Vice Captain, Bolawalana Ave Maria Convent (2016-2017)
- Active member of IEEE Women in Engineering (WIE), Rotaract Club, and Mozilla Club of IIT (2019-2023)

REFERENCES

Mr. Sampath Nawgala – Software Architect, hSenid Mobile Solutions (Pvt) Ltd.

Mr. Hasanka Chandrasekara – Associate Software Architect, ACCELaero

Complete reference details available upon request.