

Anuththara Sachini Anandaraj

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PROFESSIONAL SUMMARY

Dedicated Software Engineer with over 3 years of experience in full-stack development, specializing in Java/Spring Boot and cloud-native applications. Proven expertise in developing telecom solutions, authentication systems, and mobile banking platforms for Sri Lankan and international clients. Strong mathematical and technical background with experience in modernizing legacy systems, implementing secure authentication, and mentoring junior developers.

EDUCATION

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

EXPERIENCE

hSenid Mobile Solution (Pvt) Ltd, Sri Lanka

Software Engineer

July 2023 - Present

- Developed and maintained teleco signaling platforms and banking applications
- Mentored and supervised interns, providing guidance on coding standards and project tasks
- Collaborated with cross-functional teams to deliver high-quality software solutions
- Conducted code reviews and ensured code quality through best practices
- Worked in an Agile environment, collaborating with cross-functional teams using Scrum methodology

Trainee Software Engineer

July 2021 - Oct 2022

- Contributed to an Authentication and Authorization API system for Brunei-based third-party apps, enabling delegated authentication and user management
- Contributed to full-stack development for Sri Lankan banking application, including data warehouse integration
- Designed and independently implemented an Extraction and Segmentation module
- Managed software releases and maintained detailed release documentation
- Collaborated in Agile teams using Scrum methodology, participating in all ceremonies and delivering features on schedule

TECHNICAL SKILLS

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

Frameworks: Spring Boot, Spring MVC, Hibernate, Flask, React, React Native, Angular, Maven, Android App Development

Databases: MariaDB, MongoDB, MySQL, Firebase

Cloud & DevOps: Docker, AWS, Git, heroku, Nginx, Apache tomcat

Security: Keycloak, OAuth2, JWT, SSL/TLS

Other: REST APIs, GraphQL, Grafana, Wireshark, Postman, TensorFlow/Keras, Deep learning, Google Colab

KEY PROJECTS

USSD Mobile Banking Platform - Congo | Java, Maven, Spring Boot, MariaDB, Nginx Sept 2023 – Aug 2024

- Designed and developed end-to-end USSD-based mobile banking solution from scratch enabling seamless transactions for RawBank customers in Congo
- Built the core system using Spring Boot, Dockerized infrastructure (Keycloak, MariaDB), and designed dynamic menu workflows
- Owned security and monitoring: Integrated Keycloak for authentication and Grafana for real-time transaction analytics

- Developed core wallet APIs (balance inquiry, fund transfers, mini-statements) and payment flows (airtime, pay-TV, bills) compliant with SRS
- Mentored interns, optimized performance through refactoring, and resolved critical issues in encryption/decryption and transaction logging

Teleco Payment Gateway System | Java, Maven, MySQL, Ant, Tomcat, JSP, JavaScript, CSS Aug 2024 – Present

- Designed and implemented Bonus Transaction Flow, Reverse Bonus Transaction flow and Bonus Reverse Transaction Report
- Implemented reverse and retry functionality for bonus transactions
- Implemented CR changes on Subscriber Transaction Report, Transaction Report and Reverse Transaction Report
- Integrated front-end (JSP/JavaScript) and back-end (Java/Hibernate) for reporting features with CSV download functionality and UI enhancements
- Optimized database queries and improved report performance

Teleco ENUM Query Platform | Java, Spring, Spring Boot, MySQL, Docker, Keycloak Nov 2024 – Present

- Upgraded legacy system from JDK 8 to JDK 21, Spring 3.2.3 to Spring 6, and MySQL 5 to MySQL 8.4
- Replaced CAS authentication with Keycloak for secure user authentication
- Enabled SSL/TLS for MySQL and internal APIs, ensuring secure data transmission
- Verified HTTPS security and Keycloak integration through systematic testing and validation
- Ensured system stability and performance through thorough testing and bug fixes

Telco Signaling SMSC Platform Upgrade | Java, Maven, Spring, MongoDB, Tomcat, Scala Jan 2025 – Present

- Upgraded JDK 1.7 to JDK 21 and Spring to 6.0.12 for SMPPGW and SMSC modules
- Migrated TokuMX to MongoDB 7, resolving dependency conflicts (MongoJack, BSON) and clustering issues
- Fixed critical bugs and performed testing in Promo Message Filter and Adlive features through close collaboration with QA

Teleco Signaling SMSC/Provisioning UI | Java, React, Keycloak, Nginx, Docker July 2023 – Aug 2023

- Upgraded Keycloak from version 15 to version 21.1.2 and configured HTTPS with Apache and Nginx
- Designed custom error handling for password policies, improving UX and compliance

Banking Analytics Platform | Java, React, TypeScript, GraphQL, Spring Boot, Tomcat Sept 2021 – Oct 2022

- Implemented backend and frontend, including database configuration and data extraction from the data warehouse
- Developed extraction and segmentation modules independently
- Conducted Dev Testing, demos, knowledge transfer sessions, and release management

International Teleco Signaling Platforms (SMSC,Customer Care,Missed-Call Alerts) July 2023 – Present

- Technology stack: Java, Maven, MariaDB, Keycloak, Docker
- 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
- Designed and tested HLR query functionality via REST/JSON APIs for telecom core network integration

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 Sept 2022 – May 2023

- Technology stack: React Native, TypeScript, Python, Firebase, Flask, TensorFlow, Keras, Deep Learning
- Developed a 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
- Used TensorFlow and Keras for model development, with Firebase for backend support

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