



SANKA DE SILVA

Full-Stack Developer | Data Analyst | Cyber Security Student

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PROFILE SUMMARY

Full-stack developer with 5+ years of experience delivering production-grade systems across banking, fintech, and modern web platforms. Strong ownership mindset with proven ability to design, build, and maintain scalable applications end-to-end. Experienced in React, Next.js, PHP/Laravel, Node.js, AWS, PostgreSQL, MongoDB, and secure system architecture. Adept at translating business requirements into technical plans, leading development cycles, and ensuring production stability. Passionate about building impactful digital products and ready to grow into a technical leadership role.

WORK EXPERIENCE

Full Stack Developer | Taprobane Entertainment Oy, Helsinki

OCTOBER 2025 -PRESENT

- Led end-to-end development of Taprobane Entertainment's digital ecosystem, including the cinematic brand website (taprobane.fi) and the full production-grade ticketing platform (tickets-taprobane.com).
- Designed and implemented a high-performance, animation-rich website using React, GSAP, Framer Motion, and modular SCSS, delivering a premium visual identity and smooth cross-device experience.
- Architected a secure ticketing system with dynamic pricing, QR-coded ticket generation, automated email delivery, and a fully responsive checkout flow.
- Built a robust admin dashboard featuring secure authentication (bcrypt), session cookies, proxy-based route protection, and granular order/ticket management tools.
- Implemented manual payment verification workflows including receipt upload, admin notes, and one-click ticket email resend.
- Developed a scalable Order–Ticket–Event relational schema using Prisma ORM with PostgreSQL, supporting multi-event ticketing and atomic updates.
- Integrated Stripe webhook logic for automated payment confirmation and error-resilient email delivery.
- Managed production deployments using Vercel, Cloudflare, CI/CD pipelines, environment variable management, and serverless-optimized Prisma Client.

React Developer | Katch, Germany

JUNE, 2025 -SEPTEMBER 2025

- Developed data-intensive front-end applications with Python-powered RESTful APIs, ensuring efficient handling and visualization of large datasets.
- Built and integrated RESTful APIs to connect frontend tools with backend services, ensuring robust and async data flows.
- Collaborating with cross-functional teams to design and implement user-friendly interfaces.
- Optimizing application performance and ensuring seamless user experiences.
- Writing clean, reusable, and scalable code following best practices.
- Integrating RESTful APIs and state management solutions (e.g., Redux, Context API).
- Conducting code reviews, debugging, and troubleshooting to improve application efficiency
- Implementing secure coding practices and vulnerability testing

Software Engineer | Sampath Bank PLC, Sri Lanka

JUNE, 2019 -NOVEMBER 2022

- Collaborated with cross-functional teams and stakeholders to define data requirements and implement data-driven solutions.
- Designed and maintained internal administrative systems and APIs that served as critical tools for vendors and internal staff.
- Automated root cause analysis and reporting, reducing issue resolution time significantly.
- Be responsible for the server side code and APIs for web applications.
- Built data-heavy workflows for the credit management division, analyzing lending data and automating report generation.
- Involved in the entire product development life cycle including the Design, Development, Deployment and Maintenance of new and existing features.
- Maintain the stability and quality of web applications.
- Optimizing the applications for maximum speed and scalability.
- Implementing of security and data protection.
- Collaborated with cross functional teams in Agile environment to deliver solutions.
- Conducted root cause analysis for security related issues reported by clients.

Trainer | Hesburger - Ruohalahti, Finland

NOVEMBER 2024 - PRESENT

- Trained new employees on restaurant operations, demonstrating strong communication and leadership skills
- Ensured compliance with health and safety standards, maintaining a clean and efficient work environment.

Restaurant Employee | Hesburger - Ruohalahti, Finland

MAY 2023 - NOVEMBER 2024

- Managed daily operations in a fast-paced environment, ensuring high levels of customer satisfaction
- Collaborate with team members to maintain workflow efficiency during peak hours

Branch Staff | Sampath Bank PLC, Sri Lanka

JANUARY 2015 - JUNE 2019

- Performing functions of the bank's cash department as a Teller
- Carry out banks account opening department functions
- Conducting banks pawning department functions
- Handling foreign currency operations
- Handling international operations
- Performing daily smooth functioning of the bank's credit management division
- Analyze and recommend revisions in bank credit and lending policy

PROJECTS

Full Stack Ticketing System - tickets-taprobane.com (Next.js, Prisma, PostgreSQL, Tailwind, Vercel)

- Ticket purchasing with dynamic pricing and service fee logic.
- Automated email delivery with QR-coded tickets.
- Admin dashboard with secure login, order search, manual verification, and ticket management.
- Prisma ORM with PostgreSQL, atomic updates, Stripe webhook, and clean API separation.
- Vercel deployment with environment management and serverless architecture.

Taprobane.fi (React, GSAP, Framer Motion, Netlify, Cloudflare)

- Built a cinematic hero section with layered gradients, parallax, and scroll-triggered animations.
- Implemented modular SCSS architecture, responsive layouts, and optimized image delivery.
- Deployed via Netlify with Cloudflare security and CDN caching.

Mahagedara.fi (React, Netlify, Cloudflare)

- Designed and developed a fully responsive catering website with interactive menu, gallery, and booking system.
- Implemented modern UI/UX with optimized performance and SEO.

Loan Management System REST API (Python, Flask, SQL)

- Developed a scalable REST API for loan processing, integrating JWT authentication and role-based access control.
- Optimized database queries, reducing response time by 35%.

Portfolio website (React, Node, CSS)

- Built a dynamic personal portfolio with interactive UI components, showcasing projects and skills.
- Deployed on Netlify with CI/CD pipeline for automatic updates.

Data Visualization Dashboard (Python, Pandas, Matplotlib)

- Created a web-based dashboard to analyze and visualize financial datasets from Sampath Bank.
- Implemented automated report generation, saving 10+ hours/month of manual work.

TheOdinProject Contributions (JavaScript, HTML/CSS, React)

- Completed full-stack exercises (e.g., e-commerce UI, API integrations) as part of self-paced learning.

Linux Automation Scripts (Bash, Python)

- Developed 20+ scripts for server monitoring, log analysis, and backup automation.

EDUCATION

JAMK University, Finland

August 2022 - Present

- Bachelor's of Engineering in Information Communication & Technology
 - Relevant coursework: Python Programming, Data Analytics, API Integration, Software Development, Cyber Security.
 - Projects: Collaborated on a team project to develop a REST API for a loan management system, focusing on scalability and security.

British Computer Society, UK

August 2020 - June 2021

- BIT

Examination Department of Sri Lanka

December 2012

- Advance Level Examination (Mathematics, Physics, Chemistry)

SKILLS

- Programming: JavaScript, TypeScript, PHP, Python, SQL, C/C++
- Frameworks: React, Next.js, Laravel, Node.js
- Databases: PostgreSQL, MongoDB
- Cloud: AWS, Azure, Vercel, Netlify
- DevOps: Git, Docker, CI/CD, Cloudflare
- AI/ML: PyTorch, TensorFlow
- Soft Skills: Ownership, Communication, Problem Solving, Collaboration
- Linux

AWARDS AND TRAININGS

- 2021 FITIS Digital Excellence Awards
 - Contributed to the development team for digitalizing customized corporate IT experiences, demonstrating technical expertise and innovation in automation.
- 2022 RBI Asia Trailblazer
 - Participated in the development team for the best mobile wallet initiative, showcasing collaboration and innovation in software development.
- Bio Based Battle
 - Participated in a hackathon focused on bio-based solutions, collaborating with cross-functional teams to develop innovative solutions.
- Match Made in Finland (Nokia as a Mentor)
 - Engaged in a program connecting international talent with Finnish companies, enhancing networking and professional development skills.

LANGUAGES

- English (Fluent)
- Finnish (Basic)