

NEESHAD SILVA

Senior Full-Stack Software Engineer — React.js · Next.js · Node.js · GraphQL · AWS

neeshsilva1@gmail.com +94 77 466 9013 Colombo, Sri Lanka Open to Relocation / Remote

PROFESSIONAL SUMMARY

Full-stack software engineer with 8+ years of experience designing, building and shipping enterprise e-commerce platforms and cloud-based products. Deep expertise across the JavaScript/TypeScript stack (React.js, Next.js, Node.js, GraphQL) and AWS cloud infrastructure. Delivered 10+ production projects on the VTEX commerce platform for global clients including Stanley Engineering and Bisco.com, including a new enterprise checkout with JDE/SAP order simulation, automated CI/CD pipelines, multi-language support across 50+ microservices, and a cloud-based 3D rendering integration. Seeking Senior/Lead Full-Stack or Cloud Engineer roles with international or remote-first teams, particularly in Australia.

PROFESSIONAL EXPERIENCE

Software Engineer — Clouda Inc

Jan 2021 – Jan 2024

Colombo, Sri Lanka

- Delivered 10+ production projects across enterprise VTEX e-commerce platforms for clients including Stanley Engineering Fastening, Stanley Engineering Infrastructure, Bisco.com, Cosmo Rentals, Ben's Cycle and GEM, acting as full-stack owner from architecture through release.
- Led full-stack implementation of a new enterprise checkout for Stanley Engineering — designed backend architecture and business rules, and built GraphQL API services for product certification selection, sold-to/ship-to account management, and JDE/SAP order simulation.
- Developed custom React hooks and UI components for the checkout frontend, implemented mobile responsiveness, and optimized performance using Chrome Lighthouse audits.
- Established unit, snapshot and integration test coverage across all UI and backend components to support reliable production releases.
- Independently architected and shipped two standalone VTEX applications (Quick Order and Multi-Wish-List) end-to-end, including GraphQL API design, full-stack development and release management.
- Architected and delivered headless e-commerce features on Next.js for GEM, including multi-wish-list and product comparison, with a custom sliding-panel UI and GraphQL data layer.
- Researched 3D rendering libraries (Three.js, React Fiber, React Drei) and built a dedicated cloud rendering microservice, integrating 3D product visualization into VTEX apps via iFrame.
- Scaled multi-language (i18n) support across 30+ microservices for Stanley Engineering and 20+ for Bisco.com, integrating the Google Translate API with Python translation pipelines executed on AWS.
- Automated the CI/CD pipeline for company mono-repos using GitHub Actions — custom scripts for version releases, tag creation, automated test runs, and developer/production workspace provisioning.
- Built Python automation scripts for VTEX catalog maintenance: bulk product/SKU creation, image updates via CSV/XLSX, MOQ updates, and duplicate specification cleanup.

Official title per company records: Software Engineer (probation Jan–Sep 2021; permanent role Oct 2021 – Jan 2024). Prior version of this document listed "Senior Software Engineer" and start date 2020 — corrected here to match the employer's service letter.

Software Engineer — Blimpit

Mar 2018 – Dec 2019

Colombo, Sri Lanka

- Core contributor to Blimpit's omni-channel e-commerce platform, delivering backend APIs (Node.js, Express.js, MongoDB) and frontend UI (React.js).
- Owned the complete AWS cloud deployment as sole deployment engineer — provisioning EC2 infrastructure, containerizing services with Docker, and configuring MongoDB.

- Standardized dev/staging/production environments via Docker containerization, reducing environment-related defects.

Trainee Engineer — Lanka Electronics (Pvt) Ltd & FDK Lanka (Pvt) Ltd

2014 – 2017

Colombo, Sri Lanka

- R&D contribution to CNC Electrical Discharge Machining (EDM) systems — machine design, programming and process optimization (Lanka Electronics).
- Supported precision optical component manufacturing, inspection and assembly (FDK Lanka).

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, Java
Frontend	React.js, Next.js, Redux, Custom Hooks, Tailwind CSS, Responsive/Mobile UI
Backend	Node.js, Express.js, GraphQL API Design, REST APIs, Microservices Architecture
Testing	Unit Testing, Integration Testing, Snapshot Testing, Chrome Lighthouse Audits
Databases	MongoDB, PostgreSQL, MySQL, Redis (basic)
Cloud & DevOps	AWS (EC2, S3, Lambda, CloudFront, RDS), Docker, GitHub Actions, CI/CD, Mono Repos
Platforms & Tools	VTEX Platform, Git, Postman, JIRA, Agile/Scrum, Three.js, React Fiber
Automation	Python scripting, CSV/XLSX processing, Google Translate API, Catalog automation
Integrations	Google Translate API, JDE, SAP, VTEX API, third-party vendor APIs

ACADEMIC & RESEARCH PROJECTS

Home Automation & Energy Monitoring System — IoT · Cloud · Embedded Systems

University of the West of England — Final Year Group Project

- Designed an IoT smart home system integrating real-time sensor data, cloud connectivity and a web dashboard for remote appliance monitoring and control, with an energy usage analytics pipeline.

Instrumental Landing System Using Optical Wireless Communication

University of the West of England — Final Year MEng Research Project

- Evaluated the feasibility of Optical Wireless Communication for Instrument Landing System implementation, highlighting bandwidth, RF-interference immunity and secure line-of-sight advantages.

Dance Bots — Music-Responsive Robotics — HCI · DSP · Python · Essentia

University of Sri Jayewardenepura — HCI Course Project

- Built a dual-robot system synchronizing real-time movement to live music using beat/rhythm analysis via the Essentia audio library.

EDUCATION

Master of Engineering (MEng) — Electrical & Electronics Engineering

2017

University of the West of England, Bristol, UK

Bachelor of Science (BSc) — Computer Science, Physical Sciences & Mathematics

2015 – 2017

University of Sri Jayewardenepura, Sri Lanka

LANGUAGES

English (Professional/Business) · Sinhala (Native)