

Cleyton Silva

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Senior Software Engineer with 16+ years building and scaling high-performance distributed systems across e-commerce, telecom, automotive, and startup environments.

Full-stack engineer specializing in React, Next.js, Node.js, and TypeScript, with strong expertise in AWS cloud-native architectures and production-grade system design.

Led cross-functional engineering efforts delivering end-to-end products at scale, consistently improving system performance, scalability, and deployment efficiency in complex environments.

Recently focused on AI-driven systems, designing and building conversational platforms for web and WhatsApp using LLMs (OpenAI, DeepSeek), with deep experience in prompt engineering, context optimization, and production cost/performance tuning.

Core skills

Frontend: React, Next.js, JavaScript, TypeScript

Backend: Node.js (Express, Fastify, NestJS)

Databases: PostgreSQL, MongoDB, SQL Server, Redis

Cloud: AWS (EC2, ECS, S3, RDS, SES, SQS, CloudFront, Amplify), Cloudflare, Vercel, Railway

Tools: Git (GitHub, GitLab, Bitbucket), Jira, Confluence

Professional Experience

Senior Software Engineer at Loblaw

May/2025 - Present

Working on the Core team at Loblaw Digital, contributing to the development and evolution of large-scale e-commerce platforms across the Loblaw group.

Develop modern, high-performance, and accessible frontend applications using Next.js, React, Shadcn UI, Chakra UI, Zustand, Context API, Sass, and Storybook, ensuring scalability, consistency, and design system alignment across multiple platforms.

Lead modernization initiatives by migrating legacy codebases to scalable and maintainable architectures, improving performance, user experience, and engineering standards. Contributed to a 23% performance improvement in the main e-commerce platform.

Maintain and optimize CI/CD pipelines using GitLab and Argo CD, supporting Google Cloud infrastructure to improve deployment reliability, reduce build times, and enable faster and safer releases.

Collaborate with cross-functional teams (product, design, and engineering) to define reusable components, standardize UI systems in Storybook, and promote frontend architecture and design system best practices across the organization.

Software Engineer at EOS Loan

December/2022 - April/2025

Led a team of developers delivering high-performance, scalable software solutions, ensuring quality, speed, and alignment with product goals. Responsible for end-to-end product lifecycle including task definition, prioritization, delivery planning, and execution in an agile environment.

Acted as a Full-Stack Engineer contributing to both backend and frontend development.

Developed scalable backend systems and APIs using Node.js with TypeScript, leveraging NestJS and Express to design maintainable microservices architectures. Integrated third-party services including Equifax, Meld, and Google Maps to support business-critical workflows.

Built modern frontend applications using React and Next.js, leveraging SSR and performance optimization techniques. Implemented state management solutions using React Query and Context API, and secured authentication flows with NextAuth.

Worked with AWS services (Amplify, EC2, ECS, S3, SES) to support cloud-based application deployment and infrastructure needs. Collaborated in Agile teams using Jira, and Confluence.

Stack: JavaScript, TypeScript, React, Next.js, Node.js, Express, NestJS, AWS, PostgreSQL, Bitbucket, Jira, Confluence

Fullstack Engineer at DevSkin

December/2021 - December/2022

Built scalable full-stack applications using Node.js (Express, NestJS) and React, focusing on performance, reliability, and system integrations.

Developed backend APIs integrating payment systems (Stripe, Kiwify), WhatsApp automation (Evolution API), and AI services (OpenAI) for conversational customer support and sales workflows.

Built AI-powered WhatsApp-based customer service systems using LLMs, improving automation and customer engagement.

Developed frontend applications using React and TypeScript, leveraging React Query, Zustand, and React Flow for state management and dynamic interfaces.

Collaborated with cross-functional teams to deliver end-to-end features, improving system efficiency and integration quality.

Stack: Node.js, React, TypeScript, NestJS, Express, React Query, Zustand, React Flow, AWS, Git

Senior Software Engineer at Innovation Intelligence

November/2020 - December/2021

Focused on backend-heavy full-stack development using Node.js (Express) and React, contributing to scalable and high-performance AI-driven applications.

Built and integrated AI-powered features using OpenAI and IBM Watson APIs, enhancing application intelligence and user experience.

Developed web crawling and data enrichment pipelines to extract external data and improve database quality and coverage.

Worked with PostgreSQL and MongoDB to design scalable data storage solutions supporting high-volume applications.

Leveraged AWS services (EC2, S3, Amplify, SQS, RDS) to build and deploy secure, scalable cloud-based systems.

Stack: Node.js, Express, React, PostgreSQL, MongoDB, OpenAI, IBM Watson, AWS (EC2, S3, Amplify, SQS, RDS, CloudFront, SES), Algolia, Cloudflare, Git

Senior Software Developer at Oi Telecommunications, S.A.

February/2017 - November/2020

Led migration from PHP monolith to React + Node.js architecture.

Built integrations with Salesforce and SAP via APIs and webhooks.

Improved B2B sales system efficiency and real-time data flows.

Stack: React, Node.js, Express, PHP, Codeigniter, SQL Server, Salesforce, SAP

Software Developer at Stefanini Business Solutions

March/2014 - March/2016

Built automation systems for automotive production.

Integrated SAP with internal systems.

Maintained PHP Zend framework system with PostgreSQL.

Stack: PHP, Zend framework, Javascript, JQuery, SAP, PostgreSQL

Software Developer at Oi Telecommunications, S.A.

August/2011 - March/2014

Migrated legacy C# systems to PHP.

Built internal system integrations and SQL Server solutions.

Worked with ExtJS frontend applications.

Stack: PHP, SQL Server, Javascript, JQuery, ExtJS

Development Analyst at Newcom

November/2010 - August/2011

Maintained and improved PHP systems and internal integrations.

Supported legacy system modernization.

Stack: PHP, Javascript, JQuery, SQL Server

Education

Bachelor's Degree in Analysis and Systems Development - Izabela Hendrix University (2011)