

# Kayky Aguiar

## Senior Fullstack Engineer

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### SUMMARY

Ambitious full-stack developer with over 8 years of experience in web development, front-end engineering, and artificial intelligence. Skilled in building scalable web applications end-to-end, with expertise in modern front-end technologies such as React, Vue, Angular, HTML, CSS, and JavaScript, as well as backend development using Node.js with Express and Python with Django. Passionate about crafting responsive, user-friendly interfaces and turning design ideas into clean, maintainable code.

Experienced in leading UI/UX improvements, collaborating within Agile teams, mentoring junior developers, and consistently delivering high-quality products on schedule. With a strong background in integrating AI solutions to solve complex, real-world problems efficiently, I continuously focus on performance optimization, best practices, and staying up to date with the latest tools and trends.

Currently focused on growing as a senior freelancer, with the goal of becoming a top-rated talent on this and other freelancing platforms by delivering impactful solutions and exceptional user experiences.

### SKILLS

React	JavaScript	Node.js	Git	Redis
Next	TypeScript	Docker	Docker	Express
Vue	HTML	GraphQL	Cypress	Django
Nuxt	RESTful API	MySQL	Jest	FastAPI

### EXPERIENCE

#### Senior Fullstack Engineer

##### Avantsoft

05/2025 - 05/2024 Salvador, Brazil

- Built a React-based web application to manage server resources, featuring secure login, a central dashboard, resource tree navigation, advanced search, and dynamic data visualizations.
- Designed an animated savings chart to visually demonstrate cost benefits, improving engagement with prospective users.
- Developed and deployed backend services with Node.js + Express and Python (Django, FastAPI, Starlette) to integrate multiple external services, boosting overall system performance by 450%.
- Implemented authentication, role-based access control, and resource management APIs to ensure secure and scalable backend operations.
- Optimized database performance using PostgreSQL and Redis caching, reducing query times and improving scalability for high-volume requests.

- Built REST API automation tests with JavaScript (Chai + native Promises) to validate API reliability and asynchronous handling.
- Wrote and executed end-to-end (E2E) tests using Playwright to ensure smooth integration across frontend and backend systems.
- Configured Docker containers for both development and production, ensuring consistent builds, simplified deployments, and reduced environment-related issues.

## Fullstack Engineer

### NGX Interactive

📅 04/2023 - 05/2024 📍 Vancouver, Canada

- Developed the front-end for an admin UI using React, TypeScript, and TailwindCSS, delivering a responsive, user-friendly interface for a healthcare platform.
- Designed and built reusable React components and front-end services in TypeScript to support dashboards, appointment scheduling/booking, payments, administration, and subscriptions.
- Engineered high-performance front-end applications with React and Vue, capable of handling 200+ requests per second, ensuring scalability and stability under heavy load.
- Created an abstract front-end architecture in React and TypeScript, enabling seamless integration with multiple REST API schemas and third-party providers.
- Collaborated closely with designers to enhance user experience and maintain visual/functional consistency across platforms.
- Implemented unit testing for front-end components with Jest, Mocha, and TypeScript, improving reliability and code quality.
- Built backend services with Node.js and Express, including REST APIs for authentication, payment processing, and subscription management, reducing response latency by 30%.
- Developed Django-based backend modules for healthcare workflows, integrating appointment scheduling, patient data management, and third-party APIs.
- Optimized database queries and caching strategies (PostgreSQL, MongoDB, Redis) to improve system performance and support large-scale traffic.
- Applied Agile methodology with Jira to deliver the MVP within 3 months. Actively participated in client meetings to gather requirements and refine UI/UX interactions, ensuring alignment with business goals.

## Frontend Engineer

### Loblaw Digital

📅 04/2020 - 03/2022 📍 Toronto, Canada

- Converted a traditional web application into a React-based single-page application (SPA). Implemented a JavaScript state management system to ensure seamless navigation and improved performance.
- Maintained and enhanced existing front-end features across multiple projects, applying React best practices to ensure long-term usability, scalability, and stability.
- Designed and developed RESTful APIs and serverless functions hosted on Google Cloud Platform (GCP), ensuring efficient backend communication and seamless deployment.
- Implemented secure authentication and authorization layers using Firebase Auth and various OAuth providers to enhance user management and security.
- Collaborated closely with designers to improve the overall UX/UI, utilizing Tailwind CSS and Material-UI to create responsive, visually appealing interfaces.
- Developed unit and integration tests with Jest to ensure code reliability, thorough validation, and ease of future maintenance.

- Managed version control using Git and utilized Docker to streamline development processes, providing a containerized environment for both development and deployment.

## Wordpress Developer

### Globalcot FZE

📅 06/2018 - 03/2020 📍 Dubai, UAE

- Designed and developed modern websites on the WordPress platform, tailored specifically for commercial clients, ensuring both aesthetic appeal and functionality.
- Created custom WordPress themes and plugins, providing unique solutions for business clients and individual users, enhancing user experience and site performance.
- Identified and resolved security vulnerabilities on client websites, implementing best practices to safeguard their online presence.
- Optimized on-site SEO for commercial clients, significantly improving search engine rankings and increasing organic traffic.
- Collaborated closely with graphic designers to produce visually compelling designs for both web and print, ensuring brand consistency across all platforms.
- Developed custom code to modify and enhance the behavior of shopping cart systems, improving the overall user experience and increasing conversion rates.

## EDUCATION

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### Bachelor of Computer Science

#### Ontario Tech University

📅 03/2014 - 12/2018