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

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| --- | --- | --- | --- | --- |
| **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

## Bachelor of Computer Science

### Ontario Tech University

 03/2014 - 12/2018