

# Wilson Franca de Souza

Software Developer  
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## Personal Statement

User-oriented Software Developer with a background in Environmental Engineering and Geographic Information Systems (GIS). Worked in all stages of software development, including planning, designing, building, testing, and deployment.

## Technical Skills

(2+ years): JavaScript, Python, PostgreSQL, Git, SASS, HTML, and CSS.

(1+ years): TypeScript, React, Node.js, Express, Jest, Styled Components, Figma, and Docker.

(Studying): Next.js, Redux, FaunaDB, and Prismic CMS.

(Languages): English (Fluent), Portuguese (Native), and Spanish (Conversational).

## Experience

**FULL STACK DEVELOPER, Rice University**, Houston, TX (Remote), April 2020 – Present

Rice University is frequently ranked within the top 15 best universities in the United States.

- Developed front-end widgets for 5 web mapping applications using ArcGIS API for JavaScript, TypeScript, Styled Components, Redux, and React.
- Helped the product owner to prototype, specify the main features, and create the best user experience (UX) for our quality assurance dashboard in Agile environment.
- Designed responsive UI for a quality assurance dashboard of geospatial datasets connecting 6 projects using JavaScript, HTML, and CSS.
- Refactored back-end service that integrates external databases that boosted querying 1.5 million records by 20%.
- Proposed runtime improvements for our web mapping application Beirut Recovery that increased its performance by 25%.

**GIS SPECIALIST, Rice University**, Houston, TX (Remote), April 2019 – April 2020

- Automated data management and data processing workflows for +10,000 satellite imagery datasets using Python that reduced workload by 5 months.

**WEB DEVELOPER, Functional Health & Wellness, LLC**, Remote, Jan 2020 – Feb 2021

Functional Health & Wellness is an online practice of Functional Medicine.

- Designed and implemented a custom theme for website using Figma, WordPress, and CSS.

## Side Projects

**Go-Barber (TypeScript, React Native, React, Node.js, Redis, MongoDB):**

- Developed responsive mobile and web applications for barbershops' employees to manage their schedules and clients to schedule appointments.
- Built a Node.js REST API with Docker, JWT authentication, AWS S3, and Amazon SES.

**Smart.it (TypeScript, Next.js, React, OAuth, Styled Components):**

- Built a responsive web app with Next.js that combines a gamified experience of the Pomodoro technique with healthy exercises between short breaks of work/study sessions.

## Education

**Full Stack Developer Bootcamp**, Rocketseat

**B.Sc. in Environmental Engineering**, Universidade Estadual Paulista (UNESP)