BRUNA SILVA FERNANDES | Software Developer

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PROFILE

Detail-oriented Software Developer with a strong foundation in full-stack web development and a passion for building scalable, high-quality digital solutions. Proficient in JavaScript, TypeScript, React, and backend technologies such as Node.js and MySQL. Experienced in writing maintainable, testable, and performant code in agile environments, collaborating with cross-functional teams, and implementing user-centric designs. Adept at researching new technologies and integrating best practices to enhance application performance and usability.

SKILLS

JavaScript, TypeScript, React.js, Next.js, HTML, CSS, SASS, Vite, Node.js, Express.js, MySQL, RESTful APIs, Material UI, UI/UX Design, CI/CD, Testing & Debugging, Agile, Jira, Git, Figma, Gitflow, GitHub, DevOps.

PROJECTS

Software Engineer | The Organic Awakens
NOV 2024, BRAINSTATION CAPSTONE

- Designed and built a full-stack interactive learning platform for organic chemistry using React.js, Node.js, and MySQL. Developed and optimized a testable and scalable backend with Express.js and MySQL, ensuring efficient data management. Created dynamic 3D molecule visualization and interactive quizzes, leveraging React-Molviewer, Three.js, and iframe. Followed software development best practices, including code reviews, debugging, and CI/CD pipelines for deployment (Netlify, Render).

Software Engineer | Bell x Human Library
OCT 2024, BRAINSTATION HACKATHON

- Engineered a real-time chat platform for Bell's "Let's Talk" initiative, using React.js, Node.js, and MySQL. Led UI/UX design efforts to create a responsive, accessible, and high-performance web application. Collaborated in an agile development environment, delivering an MVP within 24 hours while ensuring code maintainability and quality.

EDUCATION

BrainStation | Diploma, Software Engineering
AUG 2024 - NOV 2024, TORONTO, ON, CANADA

Universidade Federal de Mato Grosso do Sul | B.Sc. in Chemistry
MAY 2016 - FEB 2023, CAMPO GRANDE, MS, BRAZIL

EXPERIENCE

CO-OP | IMASUL – Environmental Institute of Mato Grosso do Sul
JAN 2020 - DEZ 2020, CAMPO GRANDE, MS, BRAZIL
- Conducted user research and data-driven analysis, improving the usability and efficiency of environmental data systems.
- Enhanced technical documentation and supported cross-functional collaboration.

Research Student | SINTMOL- UFMS
JAN 2017 – JUL 2019, CAMPO GRANDE, MS, BRAZIL
- Applied data analysis and computational methods to organic synthesis research, showcasing analytical thinking.
- Authored technical reports and worked in collaborative research teams, demonstrating strong communication and problem-solving skills.