

BIANCA BEPPLER DULLIUS

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EDUCATION

Bachelor of Computer Science, Federal University of Pelotas

Expected 2025

SKILLS

Technical Skills Node, React, TypeScript, AWS services, Docker and Firebase.

Soft Skills Problem-solving abilities, Communication and teamwork skills

EXPERIENCE

Backend developer

Paipe

Fev 2021 - Apr 2023

Campo Bom, RS

- Backend development with Node.js and AWS RDS.
- Serverless development with firebase functions.

Fullstack developer

Garupa App

Jan 2020 - Feb 2021

Campo Bom, RS

- Development of applications using React, Node, and Typescript.
- Database structure manipulation.
- Systems documentation construction.
- Support in implementing solutions for software architecture construction.

PROJECTS

Codenames Game API. Developed an API for the popular game "Codenames," enabling online multiplayer functionality. This project involved the use of Node.js for server-side scripting, WebSockets for real-time communication, AWS EC2 for cloud hosting, and MongoDB for database management. ([Github](#))

WebGL Project. WebGL-based game project. The game allows users to decorate a virtual space, utilizing WebGL for rendering graphics. The repository includes a combination of HTML, JavaScript, CSS, to create the game's interface and functionality, and use of WebGL for creating interactive 3D environments in a web application. [Try it Here](#)

API with Pagar.me Integrations. API for processing payments with Pagar.me integrations and managing personalized dashboard for clients. Utilized Node.js for server-side logic and Firestore for data storage. Backend functions were deployed using Firebase Cloud Functions, with the entire system hosted on Firebase Hosting for scalability and reliability.

EXTRA-CURRICULAR ACTIVITIES

- Engaging in the Guriás da Comp. (Computation Girls) initiative, dedicated to promoting inclusion, diversity, and equity for women in computer science education. Contributing to projects like Além de Ada (Beyond Ada), through conducting and sharing Instagram interviews featuring accomplished female researchers from our university. These interviews highlight their careers and innovative projects, serving as a source of motivation and empowerment for aspiring women in the field. ([Instagram](#))
- Taught basic programming and logic classes for high school students in the project "Compile.exe" ([Learn More](#))
- Participating in tutorial education program (PET) ([Learn More](#))

- Research in computer graphics and animation. Specifically, it focuses on character animation and navigation within interactive virtual environments. The research addresses challenges related to character path-following, motion matching, and predictive behavior.

VOLUNTEERING

- Actively volunteering with AbrigoRS, a platform dedicated to aiding shelters during floods in Rio Grande do Sul. In this role, I provide essential support for the platform, managing tasks such as registering new volunteers, shelters, and identifying the primary needs of those seeking shelter. ([AbrigoRS](#))