Brenda Yañez

Back-End Developer

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SUMMARY

Back-End Developer with experience in Java, Spring Boot, and the development of RESTful APIs, microservices, and scalable systems. Skilled in relational databases (MySQL, PostgreSQL, Supabase), and tools such as Hibernate, Maven, JUnit, and Mockito, along with Git and Agile methodologies (Scrum). Knowledge of React and JavaScript for frontend acquired through full-stack projects. Currently expanding expertise through the Oracle Next Education program.

PROJECTS

BankIT | Bahía Blanca   *Dec 2024 - Feb 2025*
Backend Developer - Banking Loan Simulator
URL: github.com/brendayw/bankIT

- Developed a RESTful microservice for a loan simulator using Java, Spring Boot, and Maven.
- Applied unit and integration tests with JUnit and Mockito to ensure system robustness.
- Implemented a modular architecture following the MVC pattern, encapsulating business logic for loan processing and amortization schedule generation.

Sudoku Solver | Bahía Blanca   *Jul 2024*
Java + Swing Project
URL: github.com/brendayw/SudokuSolver

- Developed an optimized backtracking algorithm to solve Sudoku boards, achieving 100% accuracy in valid cases.
- Built an interactive GUI with Swing, enabling intuitive interaction to input, load, and reset Sudoku boards.
- Integrated real-time validations to prevent duplicates in rows, columns, and subgrids, enhancing user experience.
- Designed a modular project architecture separating solving logic from the UI layer, ensuring maintainability and scalability.

PROFESSIONAL EXPERIENCE

Freelance | Client: Independent Educational Psychologist   **Bahía Blanca, Argentina**
Full-Stack Developer   *Feb 2025–Jul 2025*

- Developed a patient management system for psychologists and educational therapists.
- Built the backend with Node.js (Express) and PostgreSQL, using Supabase as the database service.
- Developed the frontend with React.js and API consumption via Axios.
- Integrated secure authentication flows using JWT.

Cooperation.org (LinkedTrust)   **Remote**
Usability Tester   *Aug 2023 - Nov 2023*

- Conducted usability testing on the "Live Claims" workflow, identifying UI/UX issues (e.g., language clarity, navigation).
- Analyzed and documented technical improvements for login processes and backend workflows, contributing to system optimization.

EDUCATION

Universidad Tecnológica Nacional (UTN)   *Graduate*
Associate Degree in Programming   GPA: 3.28

COURSES & CERTIFICATIONS

- Java, Spring Boot — Oracle Next Education (Alura)   2025 – In progress
- Building a REST API with Spring Boot — Spring Academy   2024
- Introduction to Programming — Universidad de La Punta – (Argentina Programa 4.0)   2022 – 2023

SKILLS

- **Technical skills:** Java, JavaScript (Node.js, React.js), Spring Boot, Spring Security, Spring Data JPA, Hibernate, Lombok, Express.js, MySQL, PostgreSQL, Supabase, Maven, Git, Docker (básico), JUnit, Mockito, Postman, Insomnia, Agile/Scrum.
- **Languages:** English – Upper-Intermediate (B2), Spanish – Native.
- **Soft skills:** Analytical thinking, attention to detail, accountability, results-oriented mindset, teamwork, clear communication.