


Gabriel Dalpian de Castilhos Pedro

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Education

New Jersey Institute of Technology

B.S. Information Technology

September 2022 - Expected December 2026

Newark, New Jersey

Relevant Coursework

Courses: Intro to Computer Science, Internet Applications, Database Design Management & Applications, System Administration, Intro to Python, Web Development, Analysis & System Design, Java Programming, Network Technology.

Skills

Languages: Java, Kotlin, Python, SQL, JavaScript, HTML5/CSS, PHP

Libraries & Frameworks: Spring Boot, Swing, React, Bootstrap

Databases: MySQL, PostgreSQL, MongoDB

Tools: AWS, Git/GitHub, Linux

Projects & Experience

Ultimate Stats | Java, Spring Boot, PostgreSQL, React

- Developed the backend with Java, Spring Boot, and RESTful APIs to serve Premier League player data efficiently.
- Built a responsive ReactJS frontend for exploring teams and players.
- Designed a PostgreSQL database to store and query data for 700+ Premier League players.

Authentication App | Java, Spring Boot, React

- Built a full-stack user authentication system with Java and Spring Boot for secure registration and login using JWT.
- Implemented a modern React frontend with form validation.
- Integrated CORS and RESTful APIs to enable smooth cross-origin communication between frontend and backend.

Portfolio Website | React, Bootstrap

- Engineered a responsive portfolio website using ReactJS, and Bootstrap.
- Integrated React Icons and Bootstrap components for a modern UI.
- Utilized CI/CD with Vercel, enabling seamless deployment.

Patient Registration System | Java, Swing, MVC

- Built a Java desktop application for registering patient data, using Swing for GUI design.
- Applied MVC architecture to structure model, view, and controller layers.
- Handled user input through event listeners and managed patient data using Java objects.

Bank Account System | Java

- Developed a Java-based banking system supporting account creation, deposits, withdrawals, and transfers.
- Implemented interest application for savings accounts, enhancing user experience with automatic balance updates.
- Created transaction history tracking to log and display all user account activities.

Crypto Price Tracker | Python, PHP, SQLite3, CSS

- Developed a crypto price tracker using Python and an API to fetch and store real-time Bitcoin and Ethereum prices.
- Built a backend system with SQLite3, automating data storage and updating every 10 minutes.
- Created a dynamic web interface in PHP to display live cryptocurrency prices in a table, integrated with the backend.

E-commerce Store | React, CSS

- Developed a fully functional e-commerce platform for purchasing soccer jerseys.
- Implemented a shopping cart with state management using React hooks.
- Designed a responsive layout with CSS for an optimal user experience.

Languages

- English
- Portuguese