Bruna

SOFTWARE ENGINEER

Software Engineer with a strong foundation in software engineering, clean architecture, security, and best development practices. Experienced in building robust, secure, and well-documented applications, combining systemic thinking, product vision, and technical depth.

Hands-on experience with JavaScript, Python, APIs, secure authentication (JWT), version control, advanced logic, Generative AI, and DevSecOps fundamentals, focused on delivering scalable, maintainable, and business-oriented solutions. Analytical, self-driven, and committed to continuous professional growth

Contact

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Education

Bachelor's Degree in Software Engineering

- 8th semester – In progress

Soft Skills

- Analytical Thinking
- Systemic Thinking
- Problem Solving
- Attention to Detail
- Continuous Learning
- Autonomy & Accountability
- Clear Communication
- Adaptability
- Time Management
- Ethical Mindset

TECHNICAL SKILLS

Programming & Development

- JavaScript (ES6+, Node.js, advanced logic)
- Python (data structures, OOP, automation)
- RESTful APIs
- Professional CRUD applications
- Backend and frontend project structuring
- JSON and data handling
- Git & GitHub version control

Architecture & Software Engineering

- Clean Architecture
- Layered systems design
- Software modeling
- Requirements analysis and use cases
- Professional repository organization
- Technical documentation (README, workflows, diagrams)

UX, Product & Business

- UX Design fundamentals
- Information Architecture
- User journey mapping
- Digital product thinking
- Conversion-oriented portfolio strategy
- Technical and professional communication

Security & DevSecOps

- JWT-based authentication
- RBAC (Role-Based Access Control)
- Security-by-design principles
- Sensitive data exposure analysis
- Secure versioning practices
- Networking fundamentals (CCNA)

Artificial Intelligence & LLMs

- Generative AI
- Prompt Engineering
- Large Language Model fundamentals
- LLM architectures
- Practical AI applications
- SLM fine-tuning concepts

KEY PROJECTS

Secure Portfolio Platform

Professional portfolio platform focused on security, architecture, and technical credibility.

Technical highlights:

- Secure JWT authentication
- Layered backend architecture
- Frontend built with React + Vite
- Complete technical documentation
- Professional code organization
- Security-first design approach

CRUD API with Node.js

RESTful API developed to demonstrate professional backend design, focusing on data management, scalability, and clean separation of responsibilities.
Technical highlights:

- REST-compliant CRUD operations
- Layered architecture (controllers, services, routes)
- Input validation and centralized error handling
- Clean separation of business logic
- Code prepared for future database integration and scaling

Hero Level Classifier

Application developed to demonstrate strong command of programming logic, conditional structures, and clean code organization in JavaScript, following best practices for readability and maintainability.

Technical highlights:

- Clear implementation of business rules
- Efficient use of conditional logic and operators
- Modular and well-structured code
- Input validation and flow control
- Focus on clarity, consistency, and logical scalability

Secure Authentication System using JWT

Authentication system designed with a security-by-design approach, focused exclusively on identity validation, access control, and protection of sensitive data.
Technical highlights:

- JWT-based authentication flow
- Secure login and token generation
- Basic Role-Based Access Control (RBAC)
- Password handling and credential validation
- Clear separation between authentication and application logic

KEY PROJECTS

Mini AI Assistant using Prompt Engineering

AI assistant developed to demonstrate practical application of LLMs and prompt engineering, focusing on context control and response quality.

Technical highlights:

- Well-structured and goal-oriented prompts
- Context and intent management
- Practical use of LLM concepts
- Modular structure for future expansion
- Emphasis on consistency, usefulness, and response quality.

Logic- and Architecture-Driven Technical Projects

Projects developed with a strong focus on software engineering principles, prioritizing architecture, structure, and technical decision-making.

Technical highlights:

- Planning before implementation
- Clear folder and module structure
- Separation of concerns
- Consistent technical documentation
- Focus on scalability, maintainability, and code quality.

Applied Data Structures and Algorithms

Collection of practical implementations focused on the real-world use of data structures and algorithms to solve computational problems.
Technical highlights:

- Use of arrays, objects, lists, and composite data structures
- Application of search and control algorithms
- Logic optimization and execution flow efficiency
- Clean and well-organized code
- Emphasis on computational thinking and problem-solving.

Languages

- Portuguese: Native
- English: Technical Proficiency (Reading and Writing)

💼 Open to national and international opportunities

🔗 LinkedIn:
https://www.linkedin.com/in/brunawslopes

🔗 GitHub:
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For a complete view of my professional background, certifications, and continuous learning journey, please visit my LinkedIn profile. Feel free to connect and follow my work I'd be glad to share knowledge, exchange insights, and explore new opportunities together.