

Juan Manuel Silva

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Professional Experience

Full Stack Developer (August 2023 – Present)

- Development of full web applications (modular architecture).
- Frontend with React and TailwindCSS.
- Backend using Node.js, Express, MongoDB with Mongoose.
- API integration: MercadoPago, QR code generation, REST APIs.
- Dockerized deployments and Node.js Cluster for performance.
- Functional testing and Swagger documentation.
- Secure authentication (bcrypt, JWT, cookies) and error logging.
- Use of environment variables in dev/production environments.

Licensed Electrician – Electrical Specialist (January 2000 – Present)

- 20+ years in residential, industrial, and renewable energy systems.
- Led teams in photovoltaic park installations (low/medium voltage).
- Performed insulation testing and fiber optic integrations.
- Advised on energy efficiency and system modernization.

Education

Technical Degree in Cybersecurity – In progress (March 2025 – Present)

Full Stack Developer – Coderhouse (Aug 2023 – Oct 2024)

Electrician for Buildings – Vocational Training School No. 14 (2019)

High School Diploma – B.L.A. No. 1 (2001–2002) / E.E.T. No. 1 G.M. Belgrano (1997–1999)

Skills

Technical: HTML5, CSS3, JavaScript (ES6+), React, TailwindCSS, Node.js, Express, MongoDB, Mongoose, JWT, WebSockets, Git, Docker, Postman, Swagger, Node.js Cluster
Soft: Communication, Team Leadership, Problem Solving, Critical Thinking, Time Management, Detail-Oriented, Independent & Team Work

Certifications

- Boost Productivity with AI – Google
- Web Development, JavaScript, React JS, Backend Programming, Application Development – Coderhouse
- Electrician for Buildings – E.F.P. No. 14

Languages

Spanish: Native

English: B1

Portuguese: Basic