

Byron Troncoso Ortega

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ABOUT ME

I am Byron Troncoso Ortega a Computer Engineering graduate from Inacap, Chillán, with a strong technical foundation and hands-on experience in software development. My focus is on building Full Stack web applications, mobile solutions, and cloud-based systems with an emphasis on scalability, performance, and security. Throughout my academic and professional journey, I've developed the ability to adapt quickly, learn independently, and deliver practical results. I'm passionate about using technology to solve real-world problems and bring value to projects—especially in areas such as digital entrepreneurship, innovation, and process optimization through smart data use and automation.

EDUCATION

INACAP – Instituto Profesional

Bachelor of Engineering in Computer Science

Chillán, Chile

Graduated Dec 2024

Final project: Mobile app developed in Android Studio with geolocation and Firebase Authentication.

Relevant Coursework: Software Engineering, Database Management, Agile Methodologies, Cloud Computing (AWS), Mobile Development.

WORK EXPERIENCE

Colegio Particular – Escuela Reyes de España (Práctica Profesional)

IT Intern – Network & Systems Support

Chillán, Chile

Apr 2025 – Jun 2025

- Diagnosed and reported on network segmentation issues affecting school connectivity.
- Drafted technical documentation to support infrastructure improvement proposals.
- Collaborated in on-site troubleshooting and router configuration for optimized performance.

PROJECTS

Full Stack Web System – ReactJS & Django

Aug 2024

- Developed modular frontend using ReactJS with responsive design (Bootstrap).
- Integrated secure backend API using Django REST Framework.
- SQL database management ensuring referential integrity and access control.

Android App with Geolocation – Android Studio

Dec 2024

- Developed native Uber-style app with location tracking and Firebase Authentication.
- Prioritized usability, data protection and performance on low-end devices.
- Used Google Maps API for real-time route tracking.

GoInnova 2023 National Finals - INACAP

Jun 2023

- Participated in the development of internal platforms and client-facing solutions.
- Assisted in the implementation of agile methodologies and iterative delivery cycles.
- Contributed to testing and documentation processes across multiple software projects.
- Strengthened skills in team collaboration, cloud systems, and secure development practices.

ADDITIONAL

Technical Skills:

Languages & Frameworks: ReactJS, Django, Java, Python, HTML/CSS, JavaScript

Mobile: Android Studio, Firebase (Auth, Firestore)

Cloud: AWS (EC2, S3, IAM, RDS – dev level)

Databases: MySQL, MariaDB, MongoDB

Other Tools: Git, GitHub, Figma, Unity, Trello

Methods: Agile, Scrum, REST APIs, CI/CD

Languages:

- Spanish (Native)
- English (Intermediate – fluent reading, technical communication)

Awards & Certifications:

- AWS Fundamentals (Amazon Web Services – 2022)
- Recognition for outstanding thesis project at Inacap Chillán (2024)