

# Alexander Chiriboga

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*Experienced Software Engineer with 2+ years in mobile development. Led the migration of Banco ProCredit Ecuador's mobile application platform, streamlining processes and addressing client concerns. As an instructor, empowered the Federation of Artisans of Carchi by improving their business processes through tailored IT solutions. Contributed to academic research by developing a Computer Vision-based rose classification system at the Universidad Politécnica Estatal del Carchi.*

## PROFFESIONAL EXPERIENCE

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### Software Engineer | Tech Lead

Bayteq Ltda.

**Quito, Ecuador**

*November 2022 – September 2023*

- Designed and implemented new functionalities based on client proposals, enhancing platform usability and user satisfaction.
- Led the migration of the platform from Ionic v4 to v6, ensuring full compliance with updated app stores guidelines.
- Developed patches for proprietary Apache Cordova plugins and maintained third-party plugins no longer supported by the community.
- Collaborated with native developers to implement credit and debit card tokenization capabilities.

### Voluntary Teacher Mathematics and Informatics

Federación de Artesanos del Carchi

**Tulcán, Ecuador**

*September 2020 – February 2022*

- Executed tasks related to optimizing organizational activities through the integration of information and communication technologies.
- Delivered specialized training in Office applications, with a focus on Excel for dashboard construction, data table management, and report generation.
- Led training sessions on web development utilizing no-code tools to enhance product and proposal presentations.

### Software Developer Intern

Universidad Politécnica Estatal del Carchi

**Tulcán, Ecuador**

*Julio 2019 – September 2019*

- Implemented adjustments to the institution's integrated system developed in Oracle APEX.
- Provided technical support to users across various application modules, addressing issues related to errors and usability.
- Configured PostgreSQL database servers and performed service-related configurations on CENTOS.

## EDUCATION

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### Major: Computer Science for Autonomous Systems

Eötvös Loránd University

**Budapest, Hungary**

*September 2024 - present*

### Bachelor's degree in computer science

Universidad Politécnica Estatal del Carchi

Honors: Honorary Mention

**Tulcán, Ecuador**

*April 2016 - April 2022*

## SCIENTIFIC PUBLICATIONS

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Bolaños Yar, A., Chiriboga Guallpa, J., Almeida Benavides, Á., Yandún Velasteguí, M., & Lascano Rivera, S. (2020). *Classification system for Explorer variety roses using computer vision*. **Conference Proceeding UTMACH 2020**, Vol. 4(1). Universidad Técnica de Machala. [Link](#)

## SKILLS

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**Programming languages:** Java, C#, Kotlin, Objective-C, JavaScript/TypeScript, Python, SQL, HTML, CSS

**Frameworks and libraries:** Ionic Framework, AngularJS, NET 8, ReactJS, NestJS, NestJs, Astro

**Tools:** PostgreSQL, Docker, XUnit, Jest, Karma

**Platforms:** Firebase, Supabase, Amazon S3, Azure

**Data Science:** OpenCV, Pandas, Scikit-learn

## LANGUAGES

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- **Spanish:** Native
- **English:** B2 (Intermediate)