Ethiel Carmona Contalba

LinkedIn | GitHub

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EXPERIENCE

Software Engineer
Zapping

Mar 2023 – Today
Remote – Santiago, Chile

- Anti-Piracy Center: A project aimed at combating piracy and preventing revenue loss. Implementation of various piracy detection techniques across multiple livestream channels.
- Designed and implemented high-availability, reliable, and scalable microservices for user management, subscriptions, partners, and payments.
- Integrated multiple payment gateways to ensure seamless transactions and optimized system performance.
- Internalized the recurring payment system and dunning process, enhancing control over subscriptions and businesses (B2C, B2B, B2B2C) while eliminating outsourcing costs entirely in this context.
- Event-driven architecture implementation for processing and handling recurring payments.
- Designed and implemented deployment pipelines for production and test environments, standardizing them for critical projects (subscriptions, payments, sessions) to ensure reliability, efficiency, and seamless delivery.
- Proposed and established guidelines in project structures, optimizing maintainability and development of new features.

Software Engineer I - Core Web & Desktop app
Evernote

Mar 2022 – Feb 2023
Remote – Santiago, Chile

- Improved a11y in both Web & Desktop app for code semantic, HTML tags, listeners and logic to handle user interaction by keyboard and keyboard shortcuts
- Proposed some refactors to improve few areas inside the app, such as multiselection and modal management
- Implemented instrumentation to measure usage of different features
- Implemented autolaunch feature for desktop app
- Participated in Education experiment, a project focused into user engagement and adoption of different features by discover interaction
- Oncall (Primary & Secondary) - Weekly shift, in charge of leading high priority bugs, sign off review for release, app performance status, report internal bugs and update/upgrade relevant dependencies

Software Engineer Intern
Evernote

Jan 2022 – Feb 2022
Remote – Santiago, Chile

- Creation of a Component Library to make it the source of truth of Evernote's Design System for Web & Desktop. Focus in responsiveness, a11y, i18n and semantic code.

Python Dev Intern
European Southern Observatory

Jan 2021 – Sept 2021
Remote – Santiago, Chile

- In charge of updating the Telescope Control Software (TCS) procedures
- Creation of libraries that provide functionalities to carry out these process in Python
- Implementation of instances of these libraries to make use of internal software in charge of managing the flow of procedures
- Provide libraries to the internal software for manipulation of procedures that are going to be used in the ELT and provide to VLT with a substantial improvement in asynchronous processes and error handling

EDUCATION

Universidad Técnica Federico Santa María
Master Equivalent, Computer Science

Santiago, Chile
Mar 2022 – Mar 2024

Universidad Técnica Federico Santa María
Bachelor's Degree, Computer Science Engineering

Santiago, Chile
Mar 2017 – Dec 2021

DEVELOPMENT

Magiclass   *ReactJs, NodeJs, Sockets, Express, PostgreSQL, NginX, GitLab*   Landing Page

- Implemented real-time communication in the platform
- Implementation and maintenance of the server in which the project was deployed
- Integration with MercadoPago paywall
- Support in front-end development

Introduction to Cloud Computing with AWS   *AWS, NodeJs*   UTFSM

- Workshop dedicated to introduce the student to practical aspects of using Cloud Computing through Amazon Web Services in 3 topics: Basic products, Serverless and Automation.

Advanced Python   *Python*   UTFSM

- Workshop dedicated to go deeper in the knowledge of the Python programming language, learning about algorithm design, programming paradigms and use of Python in the industry.

TECHNICAL SKILLS

Languages   : Golang, Rustlang, TypeScript, JavaScript, Python, C

Frameworks   : VueJs, ElectronJs, Spring/SpringBoot

Libraries   : ReactJs, Redux, Sagas, React Router

Databases   : Redis, MongoDB, PostgreSQL, CockroachDB, MySql

Other   : NATS, NodeJs, Git, GraphQL, Docker, HTML5, CSS, LaTeX, Design Patterns, App State Management

HOBBIES

Science-Tech   : Interested in software development and computer science in general

Gaming-Sports : Kinda gamer gymrat

Music   : Piano & guitar

Travel   : I'd like to travel around the world as much as I can