

# Fernando Crozetta

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Utrecht - Netherlands  
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<https://github.com/fcrozetta>

**TECHNOLOGY SKILLS** *Main Technologies:* Python, FastAPI, Starlette, pydantic, SQLAlchemy, alembic, Azure  
*Databases:* Postgres, Mysql, Neo4j, Redis, Mongoddb  
*Secondary technologies:* C#, Typescript, Ionic, tailwind

**EXPERIENCE**

*Software Developer Engineer (Internal)* June 2023 - Current  
*Senior Software Developer Engineer (Contractor)* may 2022 - may 2023  
Rabobank, Utrecht - Netherlands,

- Maintaining the CI/CD applications landscape, while keeping compliant with internal security standards
- Improvement on documentation culture, adding legibility to the documents, empowering others to learn and share the knowledge they have.
- Designing and improving APIs used by partners and internal teams
- Design, and implementation of stress-testing applications
- Improvement of internal logging standards
- Collaboration and support in cross-team problem solving
- Advise and help solution architect on application landscape changes
- Advise, design and implementation of team API management authentication changes
- Improving Azure pipelines deployments in yaml and graphical forms.
- Informal mentoring and coaching

*Senior Software Developer Engineer* January 2022 - March 2022  
Condoconta, Remote

- Leading the back end internal systems, standardized a python stack, reducing development time, mitigating common errors, and generating documentation automatically for API consumption
- worked together with the infrastructure department to implement a reliable deployment system using containers
- teaching and mentoring junior developers on technologies in python, including python classes, pair programming, code review, and helping others in general
- set up of local environment for development, including best practices for testing
- CI/CD for new projects, setting the standard for other projects
- reorganized deployment process for existing applications
- review and fix of security issues in code repositories
- analytical view, plan, and implementation of new projects integrating third-party services and banking services

*API Analyst* August 2021 - December 2021  
Exxon Mobil / Pantheon, Remote

- External and Internal API Maintenance.
- Design / Prototype of new APIs in Anypoint/Mulesoft
- Deployment to cloudhub/openshift

*Software Developer* September 2020 - January 2021  
Noverde, Remote

- Maintained, with the team, Microservices on AWS, using python, AWS Sam, dynamodb, PostgreSQL, ponyORM, pydantic, SQLAlchemy, and Marshmallow.
- AWS Infrastructure specfiles made with YAML files, TDD, and testing using pytest and faker libraries. formatting using black
- Development environment using Docker containers and local configuration with Makefile

*Software Engineer - AISEC Global Talent/intern* June 2019 - June 2020  
Bosch Group, San Luis Potosí, Mexico

- Designed, developed, and led a python pre-processing desktop application project deployed in multiple countries worldwide.
- Worked closely with the mechanical engineer team to map and document the user workflow.
- Libraries used: Tkinter, openpyxl, xlwings, pandas, NumPy
- TDD / testing using pytest

*Software Engineer, Consultant* September 2018 - present  
Czetta, Brazil

- Developed a Stock Control system for a woodshop customer
- Developing an innovative system to integrate and connect woodshops and architects
- Developed a C# package to create text interfaces

*Software Engineer* January 2015 - September 2018  
Softdib, Curitiba, Brazil

- Python Refactor and rework of entire electronic invoice system, future-proof, compliant with Brazilian laws, and integrating with the Brazilian government for authentication & authorization of invoices
- Led a mobile app project for all customers, using Ionic.
- Designed and implemented the backend MS SQL Database on Microsoft Azure, using c# (.NET Core)
- Responsible for UX/UI in cross-platform mobile APP
- Created and taught an internal course on "How to create mobile apps with ionic 3"

*Software Developer* January 2013 - January 2015  
Softdib, Curitiba, Brazil

- Designed and implemented a diagnostic tool to detect inconsistencies on customer on-premise servers, including directories permission policies, network configuration, unauthorized activity monitoring, and logging of internal processes using Python and Bash.
- kept close contact with the customer's IT department, providing support via phone and tickets.

- Designed and Implemented a system to synchronize specific data between customer sites, integrating routines to import and export data using Python and Bash.
- Developed a Python desktop application that communicates with the customer server to get notifications from the internal system without loading an entire interface. The communication and GUI were developed in Python for multi-platform compatibility
- Created and taught a Bash crash course, freely available on GitHub

*Customer Support*

January 2011 - January 2013

Softdib, Curitiba, Brazil

- Problem-solving via ticket, phone, and email
- Developed an internal tool for deployment on-demand of applications in customer on-premise servers.
- Automatized repetitive tasks, improving reliability and speed
- Implemented and orchestrated a scheduler to update every customer based on their server uptime, busy hours, and priority.