Bryan **Romero**

SOFTWARE ENGINEER · FULL STACK · DEVOPS

San José, Costa Rica

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Summary

Proficient in Python, Node.js, and Golang, I am a 4+ software engineer passionate about crafting impactful solutions. My journey started in industrial technology environments, where I developed my skills in full-stack, database design, APIs, communication protocols, data visualization and IoT through various projects. More recently, I have delved into the world of DevOps and automation, continually honing my expertise in creating efficient workflows and automating tasks to streamline processes.

Work Experience

Intel Corporation at Praxis
Heredia, Costa Rica

SOFTWARE ENGINEER - II
Jul 2022 - Sep 2023

- Championed seamless collaboration between teams of technicians, facilitated the incorporation of technology by working with various operating systems, platforms (servers, NUC) and proprietary hardware, ensuring efficient installation and configuration in the laboratory.
- Automated testing: Unleash the power of Python, Bash and PowerShell scripting to interact with and write scripts for platforms such as Red Hat Linux, Windows Server, etc., ensuring complete and streamlined testing procedures across multiple servers and platforms.
- Slashed setup time by 87% by developing a PyQt wizard in Python for installing libraries and utilities.

Cecropia Solutions
Cartago, Costa Rica

SOFTWARE DEVELOPER
April 2021 - April 2022

- Streamlined software delivery with automated CI/CD pipelines: Built Flask Python 3 and C# .NET pipelines on Bitbucket and Azure DevOps, respectively, saving time and ensuring consistency.
- Optimized creation of Docker containers based on load testing, maximizing efficiency and minimizing costs.
- Amazon IoT migration: Implementation of an MQTT broker configuration with Prometheus and Grafana for real-time metrics and automated reconstruction of the solution using Python and Bash scripts for an IoT migration project saving money on operations.
- Azure Data Bricks Python Book (PySpark) - Algorithm Created to Merge Salesforce Data for Data Analysis.

Unilever
Belen, Costa Rica

FULL STACK DEVELOPER & TECH ANALYST
April 2019 - April 2021

- Crafted a Golang-based solution for paperless operations and data analysis, driving OEE and saving resources, known as Manufacturing Execution Systems with its main KPIs (OEE, giveaway, WO, QMS).
- Developed Python microservices for reporting, leveraging Flask as a web server, to deliver insightful statistics via email.
- Contributed to multidisciplinary engineering projects in IoT and industrial automation.
- Enhanced industrial machine efficiency through data analysis, leading to measurable cost savings.
- Supervision and follow-up of improvement of the industrial network.
- Optimized web server performance for low-power networks, improving load times.
- Streamlined processes by creating Excel macros for line supervisors and process engineers.

Honors & Awards

INTERNATIONAL

2018	**Finalist**, Hackathon 19 - gestion financiera pública, organized by the International Monetary Fund and Ministerio de Hacienda	*San Jose, Costa Rica*
2017	**Participation**, International Space Apps Challenge, organized by NASA and the ITCR	*Cartago, Costa Rica*

DOMESTIC

2015	**Cerificate**, Libre Office, National Technical University	*UTN, Costa Rica*
2015	**Academic excellence**, Certificate of recognition by C.T.P Mercedes Norte	*Heredia, Costa Rica*

Education

Costa Rica Institute of Technology
San Jose, Costa Rica

B.S. IN COMPUTER SCIENCE AND ENGINEERING
Feb. 2017 - Current

C.T.P.Mercedes Norte
Heredia, Costa Rica

BUSINESS IT TECHNICIAN AND HIGHSCHOOL DIPLOMA
Feb. 2013 - Nov. 2015

- Software Development, Computer Equipment Maintenance, administrative Computer Environment, Computer Networks, IT