Fernando Socualaya

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Experienced software engineer with hands-on experience developing robust, scalable, and secure software applications. Work experience on projects across various domains such as marketing oriented software, finance, and healthcare. Expertise in programming languages such as C++, Java and Python and have worked with various modern technologies. Always motivated to learn new technologies and programming languages to stay up-to-date with the latest trends in the industry. Eager to take on new challenges and to be part of a team that is dedicated to delivering high-quality software products.

EDUCATION

University of Engineering and Technology   **Lima, PE**
BSc. Computer Science

École Pour l'Informatique et les Techniques Avancées   **Paris, FR**
Study Abroad Coursework in Computer Security

EXTRACURRICULAR ACTIVITIES

University of Engineering and Technology – *Teaching Assistant*   **Lima, PE**
- Introduction to Computer Science using Python   MAR 2018 – JUL 2019
- Object Oriented Programming using C++

UTEC Ventures – *2022 PreIncuva Cohort*   **Lima, PE**
1st place in the startup competition.   AUG 2022

EXPERIENCE

CryptoMarket – *Software and Blockchain Engineer*   **Remote**
- Integrated DeFi protocols to allow end-users to earn interests based on their   AUG 2021 – Now
savings through Ethereum smart contracts
- Integrated Bitcoin Lightning to the project, allowing users to process payments
faster and with lower fees using Python
- Built internal microservices that integrate third-party services using Java and
Apache Kafka
- Improved the user's biometrics verification process
- Designed and implemented ETL pipelines
- Integrated internal projects with third-party APIs
- Designed and implemented frontend features for the Staff using React and Django

Bevertec – *Software Engineer*   **Lima, PE**
- Built routines to process the records of transactions among different banking   FEB 2020 – AUG 2021
institutions using C++
- Maintained legacy C code and refactored it to C++
- Adapted routines to work with the ISO 8083 standard for banking transactions
- Maintained routines to work with the custom internal infrastructure of clients
- Generated reports to be used by the management departments of clients

Xurface – *Android Developer*   **Lima, PE**
- Led the development of an Android mobile application aimed to help our client get AUG 2019 – FEB 2020
personalized insights from final users
- Implemented the main features of the mobile application using Java libraries and
Google Firebase
- Designed the architecture for the entire project

Crack The Code – *Computational Thinking Instructor*   **Lima, PE**
- Facilitated introductory courses on Computational Thinking for K12 students during JUL 2017 – AUG 2019
summer programs
- Trained multiple cohorts of students from public schools in the Mobile App
Prototyping workshop

PROJECTS 🔗

Personal Portfolio   *React, HTML, CSS*
Website hosting personal information and projects

Sperm Classifier   *Python, YOLOv4, OpenCV*
AI Model able to classify sperm cells based on their motility

TweetChain   *EVM, Ganache, Truffle, React, NodeJS*
Twitter-like web application based on blockchain

Skeletonization   *C++, OpenCV*
Algorithm to find the skeleton of a binary image

SKILLS AND INTERESTS

DevOps	Docker, SonarQube
Operating Systems	macOS, Linux, Windows
Programming Languages	Python, C/C++, Java, SQL, Javascript, Solidity
Frameworks and Tools	Flask, Apache Kafka, Git, PostgreSQL, OOP, HTML, Web3, Truffle, Ganache, Bitcoin Lightning, Maven, React
Testing	Mockito, Jacoco, Pytest
Cloud Computing	AWS: S3, EC2, VPC, Networking
Career Interests	Finance, Sales, Music, Events, Sports, Tech
Languages	Spanish [native], English [fluent], French[beginner]