

# JOSUÉ SOTO HERRERA

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## Education

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### University

Bachelor of Systems Engineer — Universidad Católica de Costa Rica

Graduation: Jan 2020 - Nov 2024

Alajuela, Costa Rica

- Courses: Software Engineering Practice, Machine Learning, Operating Systems, Computer Architecture, Model-Based Programming, Algorithms and Data Structures, Intro. to Software Engineering, Database...

## Work Experience

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### Only Dust Open Source Contributors

October 2024 – Present

Web3 Engineer & Maintainer

Remote - France

- Led backend development for **SafeTrust**, a decentralized P2P transaction platform, leveraging **blockchain technology** to secure escrow deposits and automate **100+ refunds/month** via smart contracts.
- Designed and maintained a **trustless escrow system** using blockchain protocols, ensuring **100% transaction transparency** and reducing fraud risks.
- Spearheaded issue triaging and resolution on **GitHub**, improving codebase stability by resolving **50+ critical bugs** and implementing **CI/CD pipelines** using **Docker**, cutting deployment times.
- Collaborated with global contributors to integrate **cryptocurrency payment gateways** (Bitcoin, Ethereum), enabling irreversible crypto transactions for **10,000+ users**.
- Developed **RESTful APIs** using **Hasura** and **GraphQL** to facilitate secure communication between escrow services, user interfaces, and blockchain networks.
- Optimized database performance by designing and managing **PostgreSQL** schemas, reducing query times by **46%**.
- Built and maintained frontend components using **React** and **shadcn**, ensuring a seamless user experience for **10,000+ users**.
- Mentored **15+ contributors** in open-source best practices, streamlining pull request reviews and fostering a **30% faster onboarding process**.

### Linuxtica

Apr 2021 - Sep 2023

Full-Stack Developer

Remote - Costa Rica

- Developed a **REST API** using **PHP Laravel** for a billing inventory project, automating a manual process and boosting the client's monthly revenue by **\$1,150**.
- Designed and implemented inventory systems for **stock control** and **supply chain management**, improving cost optimization through **PHPUnit** test cases and integration tests, reducing issue identification time.
- Collaborated on the design and development of a comprehensive **inventory management system** using **Oracle SQL Developer**, consolidating inventory data across multiple modules and improving organizational efficiency by **48%**.
- Analyzed system behavior to identify performance bottlenecks, optimizing database capacity and reducing query execution times by **55%**.
- Built a full-stack solution using **PHP Laravel** to manage suppliers, sizes, and item details, implementing **CRUD operations**, **role-based access control**, and a secure **authentication token process**.
- Integrated a seamless **shopping cart** feature, delivering a robust e-commerce inventory management system that streamlined operations and enhanced customer experience.
- Utilized **Javascript Vanilla** and **React** to create dynamic frontend interfaces, improving user engagement and reducing page load times by **99%**.
- Designed and developed a comprehensive **PostgreSQL** database schema for an electronic store, encompassing **Inventory**, **HR**, **Sales**, and **Purchasing** modules. Leveraged advanced PostgreSQL features like **triggers**, **custom functions**, and **subqueries** to automate processes and enforce data integrity.

## Projects

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**SafeTrust** | *Website* | *Source Code*

**ReactJS** | **Hasura** | **Docker** | **Graphql** | **PostgreSQL**

- SafeTrust is a decentralized platform designed to revolutionize **P2P transactions**, providing secure deposits and payments powered by blockchain and trustless technologies. Experience transparency and reliability in every cryptocurrency transaction
- Utilized **PostgreSQL** for data storage, **Hasura** for a **RESTful API** backend, and **ReactJS** for the user interface

**Linúxtica Website** | *Website*

**JavaScript** | **HTML** | **CSS** | **Bootstrap**

- **Revamped and improved** the company website, enhancing user experience and modernizing the design using **Bootstrap**, **JavaScript**, and **CSS** for dynamic frontend interactions.
- Developed and integrated a **responsive design** to ensure seamless functionality across devices.

## Technical Skills

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**Languages:** Python, Java, SQL, HTML5, CSS, JavaScript, Cairo, PHP, C++

**Developer Tools:** AWS, Postman, Git, GitHub, Docker, Jira

**Libraries/Frameworks:** ReactJS, PostgreSQL, NextJS, NodeJS, Laravel, Oracle, MySQL, Livewire, Hasura