

# JACOB TIERRY

Python | Rust | Web3 Engineer

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## EXPERIENCE

### Senior Full Stack Engineer

Uteek

08/2022 - 12/2023 Remote

- Led a team of engineers in designing and developing high-performance full-stack applications using Rust, Python, and modern frontend frameworks.
- Spearheaded the adoption of Django and React to build responsive, interactive user interfaces that drive engagement.
- Architected and implemented blockchain-based solutions, focusing on smart contracts, decentralized applications, and secure transactions across Bitcoin and Ethereum.
- Optimized backend services for scalability and speed, using Golang and Node.js to handle large volumes of data and transactions.
- Mentored junior developers and conducted code reviews to uphold best practices and ensure high-quality code across the team.

### Full Stack Developer

Web Activ

11/2020 - 06/2021 Remote

- Contributed to 8 GitHub repositories, maintaining a 92% code accuracy rate and consistency in meeting deadlines across team projects.
- Engineered full-stack solutions using TypeScript, Rust, and Python for scalable web applications.
- Developed and optimized responsive frontend interfaces with React, ensuring seamless user experiences across devices.
- Integrated blockchain technologies, including Bitcoin and Ethereum, to support secure, decentralized applications.

### Back End Developer

Xsure

10/2017 - 04/2019 Remote

- Developed and maintained backend services using Python and Rust, ensuring high performance and scalability.
- Designed RESTful APIs and microservices, leveraging Golang and Node.js for efficient data processing.
- Collaborated with frontend teams to align backend functionalities with UI/UX requirements.
- Implemented robust security protocols and data encryption to safeguard user information.

## EDUCATION

### Bachelor's degree, Mathematics and Computer Science

Nanyang Technological University Singapore

09/2012 - 03/2016

## SUMMARY

I'm a passionate Full Stack Engineer specializing in Rust and Python with a strong foundation in both frontend and backend development. I have a proven track record of creating seamless and user-friendly applications that address complex business needs. My skill set includes everything from crafting intuitive UIs to building robust, scalable backends, particularly in the realm of blockchain-based apps. My tech stack features Rust, Python, modern frontend frameworks, and cutting-edge web technologies. I'm committed to continuous learning (currently exploring WebAssembly) and enjoy staying on top of industry trends, hiking and finding new coffee spots in Berlin city.

## LANGUAGES

Chinese

Native



English

Proficient



## SKILLS

Rust/Rocket/Leptos

Python/Django/Flask

Go/Golang

C/C++

JavaScript/TypeScript

React.js/Next.js

Node.js/NestJS

Web3.js/Ether.js

Motoko

Solidity/Hardhat

MySQL/GraphQL/PostgreSQL