

Fullstack Software Engineer

Cyprian T. Aarons

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Location: South Africa

Professional Profile

Seasoned Fullstack Software Engineer with over 5 years of experience in web and mobile applications development, specializing in AI and blockchain technologies. Proven ability to lead teams and projects to deliver innovative technology solutions that solve complex business challenges.

Technical Proficiency

- **Languages & Frameworks:** JavaScript (React.js, Vue.js, Node.js), TypeScript, Python, Django, React Native, Solidity
 - **Databases & Cloud:** MongoDB, DigitalOcean
 - **Tools & Utilities:** Git, Docker, Figma, Jira, OpenAI APIs
 - **Specializations:** MERN Stack, AI-Powered Solutions, Blockchain Development
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Experience

cstltd.com - Remote, UK

Contractor Fullstack Mobile Developer

2023 - present

- **Challenge:** Addressed inefficiencies in supply chain processes causing delays and increased operational costs.

- **Solution:** Developed and deployed robust mobile solutions using React Native and FastAPI.
- **Outcome:** Reduced processing times from 30 minutes to less than 5 minutes, enhancing workflow efficiency for a team of 10. Successfully integrated with existing IT management software using a custom Python FastAPI.

Coindraw.io - Remote, UK

Contractor Fullstack Blockchain Developer

2022 - present

- **Challenge:** Needed a secure and efficient method to handle transactions and user interactions for a blockchain-based game draw platform.
- **Solution:** Engineered smart contracts and integrated multiple blockchain wallets. Developed a MERN stack application using Thirdweb SDK for web3 integrations and Vercel for frontend deployment.
- **Outcome:** Developed a platform serving over 470 users with integrated fiat and cryptocurrency transaction options, achieving seamless user experience and handling over 100,000 transactions.

AfricAI.app - South Africa

CTO, Senior Full Stack Developer

2023 - 2024

- **Challenge:** Required advanced AI integration to enhance application functionalities for a competitive edge.
- **Solution:** Led the integration of OpenAI APIs and developed serverless functions for scalable, AI-driven solutions.
- **Outcome:** Successfully raised USD 30k in funding and managed a chat platform with 20,000 users.

Freeflow.network - Remote, Global

Full Stack Developer (Freelance, Web3.0 & Blockchain)

2021 - 2024

- **Challenge:** Clients needed custom blockchain solutions for user-friendly and highly functional NFTs.

- **Solution:** Developed and deployed over 30 blockchain-based sites with an emphasis on user interface design and secure transactions.
- **Outcome:** Achieved a 95% project success rate, delivering on time and within budget, enhancing client satisfaction.

Fresh Ideas - Belvedere Trading Center, Zimbabwe

Frontend Engineer and Lead Developer

2019 - 2021

- **Challenge:** Increased demand for online grocery and food delivery services due to COVID-19.
 - **Solution:** Developed online platforms supporting high-volume transactions and real-time order updates.
 - **Outcome:** Facilitated essential services for thousands of customers during the pandemic, ensuring uninterrupted access to necessities.
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Notable Projects

- **Danai.chat:** An AI-powered chat platform with a substantial user base.
 - **Africanfolktales.app:** Engaging storytelling platform with subscription services and interactive content for children.
 - **Coindraw.io:** Blockchain-based game draw and ticketing platform.
 - **CSTLTD.com:** IT support company in the UK.
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Education

Bachelor of Technology, Software Engineering

Harare Institute of Technology, Zimbabwe

2017 - 2021

Skills

- **Programming Languages:** JavaScript, TypeScript, Python, Solidity
- **Frameworks:** React.js, Vue.js, Node.js, Django, React Native
- **Databases:** MongoDB
- **Cloud Services:** DigitalOcean

- **Tools:** Git, Docker, Figma, Jira, OpenAI APIs
 - **Specializations:** AI-powered solutions, blockchain development, MERN stack
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Additional Information

- **Languages:** Fluent in English
 - **Publications:** Authored articles on Web3.0, AI, and software development
 - **References:** Available upon request
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Recent References

- A.mitchell@cstltd.com
 - R.McManus@cstltd.com
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