Benjamin Azoulay

Senior Web3 Engineer

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SUMMARY

Senior Web3 Engineer with 6+ years of full-stack experience and 4+ years building production DeFi and on-chain applications. Shipped and maintained user-facing systems securing $100M+ in combined TVL and market cap, including VeChain Stargate and Flashstake. Specialized in Web3 frontend architecture tightly coupled with Solidity smart contracts, delivering staking, governance, and core on-chain mechanisms used by thousands of users, with end-to-end ownership across protocol design, contract integration, and production UX focused on reliability and scale.

LINKS

LinkedIn: https://www.linkedin.com/in/benjaminazoulay1
GitHub: https://github.com/BenAzlay
Personal website: https://benjaminazoulay.com
Tutorials: https://blog.benjaminazoulay.com

EXPERIENCE

Full-Stack Engineer - VeChain

Mar 2025 - Jan 2026

- Built and maintained **Stargate**, a production-critical staking platform supporting VeChain's transition from PoA to DPoS
- Designed and implemented NFT-based staking and validator tooling supporting **6,000+ NFT holders** and **$81M+ TVL**
- Built **Restify**, a mobile Web3 application on **VeBetterDAO** using React Native and NestJS, enabling users to earn rewards for verified off-screen activity
- Scaled Restify to **16K+ unique wallets, 500K+ sustainable on-chain transactions, and 140M seconds of verified sessions** within 8 months

"Benjamin is willing to take ownership, dive into complex problems, and get things done, which was particularly valuable during intense delivery phases"
– Dan Rusnac, Tech Lead at VeChain

Lead Web3 Developer - Blockzero Labs

Jan 2022 - Dec 2024

- Led development of production Web3 applications, including **Flashstake** and **Epoch Island**
- Built and shipped **Flashstake**, a fixed-yield DeFi staking application enabling upfront rewards for time-locked liquidity

- Implemented and maintained smart contract interactions for staking and yield distribution, securing **$20M+ in TVL**
- Developed user-facing systems integrated with on-chain state, supporting high-value transactions
- Flashstake reached **$40M+ token market cap** at peak usage
- Owned architecture decisions and production delivery across multiple launches

Project Lead - Walletvote
Sep 2021 - Apr 2022

- Co-founded and led development of a decentralized social network enabling censorship-resistant product information sharing
- Led a team of 7, owning Solidity smart contracts and frontend architecture

Full-Stack Developer - Artur.ai
Apr 2021 - Sept 2021

- Developed and improved a centralized wealth management platform aggregating fiat, crypto, art, and real estate assets
- Built an asset aggregation dashboard enabling users to track diversified portfolios across multiple asset classes
- Designed and implemented an advanced KYC and onboarding system, balancing regulatory compliance, UX constraints, and security requirements
- Delivered production-ready features in a regulated environment, collaborating closely with product and compliance stakeholders
- Supported early-stage platform scaling and user onboarding during initial growth phase

"Benjamin accomplished his mission very well end-to-end. He quickly understood the project and delivered on time."
– David Oks, CEO of Millennium Gestion

Project Manager - French Ministry of Defense
Jan 2021 - Mar 2021

Led the update and full-stack development of a technical documentation portal for the French Navy, ensuring a modernized and efficient solution to support their operational needs

Full-Stack Intern - Healint Pte. Ltd.
Apr 2020 - Sept 2020

- Built and shipped production Vue.js modules for B2B healthcare platforms, including patient–doctor interaction and treatment support tools
- Developed a reusable questionnaire engine inspired by Typeform, used across multiple client-facing products

Project Lead - MedecinAI
Sep 2019 - Apr 2020

- Led a team of 8 to build an AI-powered medical imaging platform for brain tumor detection
- Project won Grand Prize at Efrei Paris Innovation Day for technical excellence and real-world impact

Frontend Intern - SAP
Jun 2019 - Jul 2019
Designed and built a medical risk assessment web application using the MERN stack, focusing on scalability and usability

TECHNICAL SKILLS
Languages: TypeScript, JavaScript, Solidity, SQL, Python
Frontend: React, Next.js, Vite, Vue, TailwindCSS
Backend: GraphQL, Express.js, Django
Blockchain: Ethereum, Solidity, Hardhat, Ethers.js, Viem, The Graph
Tools: Git, Docker, AWS, MongoDB, Vercel

EDUCATION

Efrei Paris
2017-2022
Master's degree in Computer Science (Software Engineering, Blockchain Development), Innovation Day Grand Prize for MedecinAI (AI-powered brain tumor detection platform)

Manipal Institute of Technology
2019 - Exchange