Brendan Probst Software Engineer | Full Stack Developer

Hoboken, NJ | bprobst1029@gmail.com | brendanprobst.com | github.com/brendanprobst

Programming Languages: Javascript & Typescript, Python, CSS, Node.js, C#, C++, Java, Solidity, Go
Programs: VS Code, Figma, Postman, Docker, Power BI, Jira, Visual Studio, MongoDB Compass,
Areas of Proficiency: Test Driven Development, API Design, Accessibility, SEO
Frameworks: React, Next JS, React Native, Expo, ASP.NET, Astro, Dynamics 365, MongoDB, Express

Professional Experience:

PLM Fleet | *Associate Software Engineer*   Jun. 2023 - Present
Trailer Leasing & Fleet Management SAAS
- Shared knowledge with the IT team on modern web development tools, including React, Next.js, Svelte, Blazor, and .NET 8.0, and how they would help solve problems the company currently faced, such as slow build times, poor SEO, and code duplication.
- Led development on a *wholesale trailer site* utilizing these new tools (Next JS with Typescript and a D365-OData API) which resulted in local build times improvement from 3+ minutes to < 2 seconds.
- Led development for integrating *Power BI Embedded* into an ASP.NET *MyPLM Customer Portal* to improve customer satisfaction and increase functionality of the home page.
- Used Samsara and Azure DevOps ticket management systems to track and implement changes to internal and external services.

Quae Inc. | *Co-Founder & Software Developer*   Sep. 2020 - Mar. 2023
Voting platform that empowered citizens to propose ideas, vote, and be heard
- Led front-end development of Next.js web app and React Native mobile app that utilized RESTful API's to connect with an Express.js & MongoDB backend
- Refactored the code base to use a more scalable backend architecture and maintainable data structure, as well as improve performance of client-side code, increase utilization of dynamic UI components, and reduce load times for users.
- Implemented bug monitoring and analytics gathering tools to make informed business decisions.
- Utilized *Agile Methodologies*, including feature sprints, through alpha and beta launches.
- Collected user feedback to evolve and improve the UI/UX of mobile and web apps.
- Interviewed students, citizens, local representatives to understand the problems they faced to create a product roadmap and Go To Market strategy.
- Selected as the official tool for student outreach by the Student Government Association of *Stevens Institute of Technology.*

Education:
Stevens Institute of Technology, Hoboken, NJ   May 2023
Bachelor of Engineering (B.E) in Software Engineering   GPA: 3.875

Coursework | Projects

Zk.fund | *Eng. Design VII & VIII*   Sept. 2022 - April 2023

Charity Registry with anonymous donation capabilities

- Led smart contract development (Hardhat) using Test Driven Development (Chai)
- Worked on Next JS client to integrate with smart contracts and set up client-side web3 libraries (WalletConnect)
- Documented progress on a weekly basis to ensure sprint deadlines were met

education cont.
- Tackled the problem of anonymous donations being used illegally by designing a POC of *Valitor System* - where new charities would be voted on as either legitimate and added to the platform or illegitimate and rejected.

LeaveNow | *Eng. Design VI*   Feb. 2022 - May 2022
Mobile app with map API & precisely timed notifications to help friends meet up <u>exactly</u> on time
- Led front-end development for a React Native app with an Expo workflow
- Documented development for monthly progress reports.
- Created class diagrams, interactive overview diagrams, and use case diagrams before development began and used these tools to plan sprint deadlines.

<u>Supplemental Experience:</u>

Cabal Labs | *Co-Founder*   Oct. 2021 - Present
A non-profit Hackathon DAO (Decentralized Autonomous Organization) that helps programers travel to hackathons
- Coordinated with hackathon sponsors to host workshops/tech demos & assisted Cabal programers with housing & transportation costs.
- Competed in 5 hackathons, won 9 bounties, and increased the brand awareness of Cabal Labs
  - **Cabal Auth** Web3 OAuth with user owned data   ETH NYC '22
  - **Tap Contacts**: Web3 Venmo with NFC tap to pay   ETH Bogota '22
  - **Deehr Market**: Training healthcare ML algorithms with anonymous patient data   ETH Paris '23
  - **Cabal Protocol**: DAO portal for hacker applications and reimbursements   ETH NYC '23
  - **Cabal Sorel:** Chrome extension to improve Web3 social media feeds   ETH Online '23

Launchpad | *Mentor & Member*   Mar. 2021 - Present
- Incorporated a company then built, released, and marketed an app to address a real world problem.
- As a mentor & alumni I continue to assist student founders, lead workshops, and interview applicants.

Stevens Institute of Technology | *TA - Intro to Programming*   Sep. 2020 - Dec. 2021
- Lead a class of 50+ students of varying programming experience levels.
- Taught C++ fundamentals, graded assignments, and gave personalized mentorship.