Julian Brown

Senior software engineer, full stack developer

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PROFILE

As a senior-level full-stack engineer with a solid background in financial applications and relevant technologies, I am familiar with decentralized applications on the Ethereum blockchain, as well as centralized applications, and understand the backend technologies and cloud services often used by these projects.

I am passionate about building highly scalable, resilient, and performant software systems for the next generation of applications on the internet and have a wide set of skills and experience to execute on this.

I have worked in a remote (globally distributed) team before, preferably in a startup environment.

SKILLS

Programming language — Javascript/Typescript, Python, Rust, Go, Solidty, **Fullstack** — React.js, Node.js, Next.js, RESTful API, graphQL, websocket, Django, rust[tokio, warp], SQL, NoSQL, Redis, **Devops** — Docker, Kubernetes, Terraform, Ansible, **Tools** — Git, Github, AWS, GCP, CI/CD,, **Web3** — web3.js, ether.js

PROFESSIONAL EXPERIENCE

Solv, *Senior full stack engineer*   Jan 2022 – present │ US
- Participated in whole development lifecycle for building robust and reliable software projects in various industries like **Fintech, E-commerce, climate-tech**.
- Developed Advertising and Banking **SaaS** Platform and crypto payment system allowing retailers and customers .
- Designed and implemented **Microservice architecture** using **Node.js/TypeScript**, allowing for modular and independent development of various components within a complex application.
- Collaborated with architects and product managers to design and implement a complex system using **Domain-Driven Design**(**DDD**) and **Event-Driven Architecture**, applying transactions, atomicity, idempotency effectively.
- Implemented **Test-Driven Development** methodologies using Jest and Cypress, resulting in improved code quality, faster identification of defects, and enhanced overall reliability of software applications.
- Implemented the **CI/CD pipeline** using Github actions and AWS CodePipeline, significantly accelerating software delivery, reducing errors and enhancing development team collaboration.
- Implemented authorization solutions including Single Sign-On(**SSO**) and Multi-Factor Authentication(**MFA**) leveraging Auth0 to enhance security and user management.
- Developed efficient **RESTful APIs** using **Express** and **Django**, facilitating seamless integration with frontend applications and enabling data exchange.
- Participated in developing several user-friendly frontend applications using **React.js**, **Next.js**, react-query, RESTful API, **graphQL** and etc.
- Interacted directly with both technical and non-technical clients to gather requirements and provide insights that offer guidance on feasibility of implementation.

- Mentored junior developers through code reviews and pair programming to ensure code quality and performance optimization.

Advapay, *Full stack developer*   Feb 2019 – Oct 2021 │ EE
- Implemented **serverless architecture** with AWS **Lambda** to build a scalable and cost-effective system, handling high-traffic requests per day with minimal infrastructure management.
- Optimized website performance by implementing lazy loading, code splitting and caching mechanisms, resulting in improved page load times and overall user satisfaction.
- Designed and implemented robust single-page applications using **React.js, Vue.js** leveraging lazy loading and state management techniques to optimize performance and enhance development productivity.
- Implemented web3 integration on web application using **web3.js, ether.js** and other **SDK**s.
- Configured and managed cloud infrastructure automatically using **terraform**.
- Designed and implemented secure and portable data pipeline using Apache airflow integrated with several services like **S3, SNS, AWS cloud watch** and so on.
- Integrated several third parties for SMS, notification and so on.
- Optimized the search engine by using DB indexing, cache(**Redis**), pagination, and others.

Serokell, *Frontend developer*   Mar 2016 – Nov 2018 │ EE
- Extensively used the **React** and **Redux** for state management in SPA applications.
- Developed multiple webshops based on **WordPress** and WooCommerce, considering the mockups created by our designer.
- Developed REST APIs using Node.js and Express.js, improved code quality following best practices.
- Increased website load time by 20% through optimization and compression techniques.
- Successfully integrated multiple third-party services into the system, including payment gateways and shipping providers, resulting in a seamless user experience.
- Implemented **pixel-perfect** design using vertical alignments.
- Developed my team-work skills by working in close collaboration with other members.

EDUCATION

Tallinn University, *Bachelor's Degree*   2011 – 2015
Computer Science