

# **VIOLET LEON**

## **Full Stack Software Engineer**

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### **Technologies**

**Front-end:** React, NextJS, React Native, Typescript, Tailwind

**Back-end:** Node.js, Express, PostgreSQL, Sequelize, Prisma, Jest, MongoDB

**AWS:** Lambda, S3, Cognito, SNS, SQS, Code Build, ECS

### **Summary**

Results-driven Full Stack Software Engineer with a proven track record in designing, developing, and deploying innovative web applications. With 3+ years of experience, I excel in both front-end and back-end technologies, specializing in React, Node.js, and AWS. As an early team member, I've architected systems and led collaborative efforts, fostering seamless communication between front-end and back-end teams. I thrive in distributed environments and lead teams to deliver high-quality solutions, creating elegant, efficient, and reliable applications.

### **Experience**

#### **Artfora**

10/2022 - Present

##### *Founding Full Stack Engineer*

- As an early member of the engineering team, played a key role in designing the architectural framework.
- Collaborated effectively within a distributed team, working remotely to implement Object Oriented design principles for a range of features, resulting in a more user-friendly and efficient front-end application.
- Developed a design system library focusing on accessibility, utilizing Tailwind CSS and Headless UI.
- Reduced image file sizes for NFTs and collections by an average of 80%, significantly improving front-end application load times. Implemented a scalable queue system using Amazon SQS and Amazon SNS, enhancing the application's ability to handle increased load and traffic.
- Implemented a decentralized image retrieval system using IPFS, incorporating multiple failsafes such as repeated request retries, database fail checks, and CRON jobs to reprocess failed image optimizations. This enhanced image reliability and application performance, mitigating inconsistencies and improving user interactions.
- Integrated Discord and Twitter capabilities to monitor the blockchain and automatically send notifications when items from the website are redeemed.
- Improved website SEO by optimizing data display for specific collections, resulting in a 25% increase in organic traffic.
- Successfully deployed a Node.js serverless express back-end to AWS using CI/CD with GitLab, utilizing technologies such as AWS Lambda and Amazon API Gateway, demonstrating proficiency in AWS technologies.
- Created an NFT creation tool for Tezos, featuring built-in support for NFT physical redemptions through an art printer.

#### **New World Inc.**

03/2022 - 12/2022

##### *Full Stack Web Developer*

- Led a cross-functional team as the head of both the front-end web app and back-end development teams, fostering seamless collaboration and alignment between both teams' efforts.
- Collaborated closely with the CEO to design and plan the development of an e-commerce marketplace and mobile app with VR geolocation, aligning with Basetwo's focus on real-time decision-making and robust data transformation pipelines.
- Successfully deployed a Node.js serverless express back-end to AWS, utilizing technologies such as AWS Lambda and Amazon API Gateway, resulting in a 50% reduction in deployment time. Demonstrated proficiency in AWS services, emphasizing your ability to build modular and scalable features.
- Led the design of front-end modular components in React, aligning with Basetwo's emphasis on beautiful and reliable product features. Documented components in a design system for easy maintenance and reuse.
- Collaborated within a small team of developers to create a highly scalable and reliable server using PostgreSQL, Express, and Node.js, integrating multiple third-party APIs and web scraping capabilities. This experience showcases your collaborative skills and ability to work across the stack.
- Utilized Docker to containerize the coordinator, microservices, and database, integrating them with the CI/CD pipeline using AWS CodePipeline, highlighting your familiarity with containerization and DevOps practices.
- Implemented an AWS S3 service in Node.js to securely stream image files to the front-end, including multiple image upload functions with optimization and editing capabilities. Reduced image sizes by an average of 80%, showcasing your commitment to optimizing application performance.
- Integrated SSO using AWS Cognito to authenticate users using multiple methods, including Facebook, Google, Apple, and email/password. Implemented a system to store user information in the database with an identifier for easy retrieval, demonstrating your expertise in user authentication and database management.
- Utilized third-party APIs such as Moralis to cache data about NFTs from the blockchain and query the blockchain for user asset information, improving the performance and reliability of the application.
- Designed and implemented Solidity smart contracts for the on-chain NFT marketplace and the NFTs, enabling users to list, sell, and buy NFTs. This experience aligns with Basetwo's focus on building robust data transformation pipelines.

## **Leon Web Designs**

12/2019 - Present

### *Freelance Web Developer*

- As the sole proprietor, maintained a diverse portfolio of web development clients, successfully building and maintaining websites for a variety of business sectors.
- Utilized a wide range of technologies, including React/Next.js, Node.js, Express, JQuery, Bootstrap, HTML5, and CSS3, to deliver high-quality and visually appealing websites that align with Basetwo's emphasis on beautiful product features.
- Provided ongoing technical support and maintenance to ensure that clients' websites remained up-to-date and functional, highlighting your commitment to long-term usability and extensibility.

## **Education**

### **Fullstack Academy**

2019

#### *Software Engineering*

- Completed immersive software engineering program with a focus on full-stack web development.
- Gained hands-on experience in building dynamic and responsive applications using modern technologies such as React, Node.js, and PostgreSQL.
- Participated in collaborative team projects, applying agile methodologies and version control for efficient development.
- Acquired problem-solving skills through coding challenges and hackathons, enhancing proficiency in troubleshooting and debugging.
- Demonstrated ability to quickly learn and adapt to new technologies and frameworks, reflecting a continuous drive for learning and growth.