

# Andrei Shen *Sr. Full Stack Engineer*

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🔗 <https://leetcode.com/shenandrei4>

## Profile

Experienced Senior Full Stack Engineer with expertise in designing and delivering innovative software solutions. Skilled in both front-end and back-end development using technologies such as React.js, Angular, Spring Boot, and Node.js. Proficient in blockchain technologies, including Solidity and smart contracts. Strong track record of successfully developing complex applications, including Layer 2 OP-Stack Blockchain and decentralized finance (DeFi) protocols. Adept at collaborating with cross-functional teams in Agile environments to deliver high-quality code. Committed to performance optimization, user experience, and industry best practices. Seeking opportunities to leverage my technical prowess and problem-solving abilities to drive innovation and achieve exceptional results.

## Skills

- JS Frameworks: React, Angular, Vue
- Python / Java / Node / ASP.NET / Laravel
- Web3 / Solidity / DeFi / DAO / DEX
- SQL / NoSQL / GraphQL
- Ecommerce / CRM / ERP
- Git / AWS / Azure / Docker / Kubernetes
- CI/CD Pipelines
- Jira / Trello / Asana / ClickUp
- TDD / DDD
- Agile/Scrum Methodologies

## Professional Experience

### Sr. Full Stack Engineer, *Topwebguru*

Oct 2021 – Feb 2024

United States

- Built out **L2 OP-Stack Blockchain** with performance-based optimizations.
- Built out a roles-based permissions system for the Commonwealth **DAO** Platform.
- Developed the crowdfunding interface feature on the Commonwealth DAO platform. This feature allowed users to create crowdfunding projects and fund/curate other crowdfunding projects in a **marketplace UI**.
- Architected feature-rich gaming, rewards, and a pack **NFT project** for a major sports league.
- Developed a rewards staking feature for our **NFT stack**.
- Implemented **Ethereum** Improvement Proposals (**EIP**), specifically EIP 2535, allowing rapid scaling and abstraction of DAO's decentralized finance (**DeFi**) protocol.
- Developed a service that **analyzes** the system metrics using machine learning methods and notifies users if there is something wrong with the metric.

### Full Stack Engineer, *Elisol*

May 2019 – Sep 2021

United States

- Managed a team that was responsible for developing a marketing system, which later became the **flagship product** of the company.
- Mentored engineers and participated in **code reviews** actively to set the **quality bar high**.
- Trained others on **code quality** and **coding best practices**.

### Back End Developer, *Coveros*

Nov 2017 – Apr 2019

United States

- Developed **scalable**, innovative **risk management software**.
- Created full **Kubernetes** cluster configuration on EKS (**AWS**) using Flux (**GitOps**) and Terraform.
- Oversaw the transition of the product from the proof of concept to the industry-standard solution.
- Implemented and maintained **CI/CD** pipeline for a **microservice**-based platform - automated builds, **unit**, **integration**, and **performance testing**.
- Contributed to the hands-on work on the **back-end**, **front-end**, and **DevOps** fronts.
- Utilized Spark to achieve **high scalability** and **automation**.

### Frontend Developer, *Xantrion*

Apr 2016 – Oct 2017

United States

- Implemented scalable **front-end architecture** using the **MVC** model, decoupling responsibilities and reusable components.
- Implemented automated build and linting using **Gulp**, later refactored to **Webpack 4**.
- Introduced **React** to the front-end stack and developed reusable components along with **MUI** components.
- Implemented and **redesigned** the following pages: a homepage, a category listing page, PDP, cart pages, checkout, product variations, catalogs, content slots, and assets architecture.
- Developed a mock **PWA** application with **Angular 7** and introduced PWA capabilities to the company.

### Web Developer, *Xantrion*

Nov 2013 – Apr 2016

United States

- **Web & Mobile** Design.
- Visual Page Editor Apps similar to **WP Elementor**.
- **Video Editor Tool** based Web.
- **LMS**, **CAT** Systems based Web for High Schools.

## Education

### Bachelor of Science, *Boston University*

Sep 2009 – Oct 2013

United States

## Certificates

- Software Engineer Certificate [!\[\]\(0cce15e73bc54c78b2c9e303050d05b7\_img.jpg\)](#)
- Full Stack Software Developer Assessment [!\[\]\(a0f1b256963a6336dfb964def24d40b6\_img.jpg\)](#)
- Analyze Data to Answer Questions [!\[\]\(7680802c5c10edde7f44b56ca75577b8\_img.jpg\)](#)