

# Serhii Tarasenko

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Highly-meticulous full-stack software engineer with 2+ years of experience in developing feature-rich web applications and a strong business acumen to complement technical skills.

## Links

[github.com/rootfellen](https://github.com/rootfellen)  
[linkedin.com/in/rootfellen](https://linkedin.com/in/rootfellen)  
[rootfellen.dev](https://rootfellen.dev)

## Relevant Experience

### Software Engineer, Bay Valley Tech Academy

Jan 2023 - Aug 2023

- Conceptualized, designed, and created wireframes for a financial application with a Robin Hood-inspired theme, optimized for viewing on desktop, tablet, and mobile devices in Figma.
- Created reusable pixel-perfect React components based on Figma design and wire-frames by using SCSS/SASS, Chart.js,
- Established Redux Store, Redux Toolkit Slices according to application features and implemented RTK.Query.
- Implemented an Express.js server, configured routes, controllers, middleware, JWT authorization and tokens rotation, as well as ensuring persistence of user login information.
- Integrated RESTful API endpoints to the Express.js server to enhance the application's functionality and facilitate communication with external systems.
- Created and configured a MySQL database on PlanetScale, including designing the database schema to ensure optimal performance and data integrity.
- Employed various optimization techniques, including utilizing React Hooks and refactoring code, to enhance the performance and scalability of a full stack application.

### Software Engineer, Nuclear Buddy

Apr 2022 - Dec 2022

- Created reusable UI components with React/TypeScript and SCSS, worked closely with the Backend team for data integration by consuming Restful APIs.
- Designed and updated layouts to meet usability and performance requirements, maintained clear and concise documentation of project requirements, specifications, and development progress.

### Front-end Developer, Upwork (Remote)

Dec 2021 - Mar 2022

- Designed and developed React-based applications, SPA's (Single Page Applications), used REST API and JSON to make asynchronous calls to server written in Node.js
- Launched 7+ projects successfully using React, HTML, CSS, Javascript, and Redux, created Typescript reusable components and services to consume REST API's using Component-based architecture provided by React.
- Developed React.js, front-end components, keeping them scalable and reusable, managed state globally with any/all hooks/Redux/Redux toolkit/Context API

## Projects

### Hobin Rood - Trading Stock Full stack Application

[Repo](#) | [Live Preview](#)

- Robinhood-esque stock trading platform for buying & selling stocks with real-time market data.

### Sential - AI SaaS Platform

[Repo](#) | [Live Preview](#)

- AI SaaS Platform to generate code, images, audio & video by using OpenAI API & Replica API

### Conversa - Real-time online chat platform for secured conversations

[Repo](#) | [Live Preview](#)

- Created design and developed responsive markup layouts for business site, gathered

### Craftify - E-commerce App

[Repo](#) | [Live Preview](#)

- Build your own e-commerce websites with a user-friendly interface and comprehensive admin dashboard.

## Education

### M.A. in International Economics

Poltava University of Economics and Trade | 4.0 GPA  
Grad. Sep '15

### Bay Valley Tech Academy

Modesto, CA 95354  
Grad. Jul '23

## Skills

### Programming Languages

Javascript, Typescript, HTML, CSS

### Libraries & Frameworks

React, Next.js, Svelte, Node.js, Express, Mongoose, SCSS, Redux / Redux Toolkit, jQuery, Bootstrap, SASS/SCSS, Tailwind, Prisma, JWT

### Databases

MongoDB, MySQL, PostgreSQL, PlanetScale, Redis

### Tools & Other

Git, GitHub, Figma, Adobe Suite, Vercel, Firebase, Netlify, Wordpress, Trello, Pusher, Upstash

## Certifications

### freeCodeCamp Certifications

freeCodeCamp  
Cert. Awarded 2022

### Bay Valley Tech Certifications

Bay Valley Tech Academy  
Cert. Awarded 2023