

DANIEL SHEN

Senior Full-Stack Engineer

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Summary

Results-driven and highly-motivated Full Stack Engineer with 7 years of experience in variety of IT industry. Engaged in Full Stack projects, with a proven ability to ensure high standards of code quality, security, and performance. Expertise in microservices architecture, cloud infrastructure, and automation.

Experienced Web Developer adept in all stages of advanced web development and Blockchain DApps.

Knowledgeable in user interface, testing, and debugging processes. Bringing forth expertise in design, installation, testing and maintenance of web systems. Equipped with a diverse and promising skill-set. Proficient in an assortment of technologies, including JavaScript, TypeScript, React, Vue as well as Nest, Swagger and PostgreSQL.

And also have rich experience in DevOps and CI/CD using Amazon Web Service.

Able to effectively self-manage during independent projects, as well as collaborate in a team setting.

EMPLOYEEMENT HISTORY

Career IT and Business Solutions Inc.

Full Stack Engineer

06/2020 - 04/2023

- Created pipelines for CI/CD for web development from scratch using GitHub Actions, AWS CloudFormation, AWS SAM CLI and AWS Amplify.
- Designed and implemented serverless, microservice-architecture SaaS services using AWS API Gateway, AWS Lambda, AWS RDS, AWS Cognito, AWS Amplify, Python, Node, React, and Vue.
- Integrated third-party APIs such as Stripe, Paypal, Twilio, Facebook, Twitter, LinkedIn, AWS SDK, Zoho API, Hubspot, SendGrid, MailGun, Mandrill and MailChimp etc.
- Used TDD and BDD improving software quality by 30% and involved in Agile Development and maintained effective communication in the team going through all phases of SDLC.
- Helped colleagues with complicated or performance issues in a front-end environment.
- Developed full-stack web applications which processed, analyzed, and rendered data visually.
- Used Jenkins and AWS tools to cut release times by 20%.
- Developed user-friendly UI/UX web applications using React/Redux/ReduxSaga/AMD/Material-UI, Vue/VueX/Vuetify/ ElementUI/Vue-Bootstrap, D3.js, three.js and Bootstrap/jQuery.
- Designed and implemented database models and drivers using PostgreSQL, MySQL, and Redis, MongoDB, AWS DynamoDB.
- Developed RESTful APIs using Python, Django, Flask, Fast API, and Node/Express.
- Created a Node.js notification server and front-end client that uses Web Sockets to distribute notifications.

Code Koalas (Remote)

Full Stack Developer

01/2018 - 06/2020

- Wrote front-end code, back-end code, integrated 4+ with frameworks and APIs, and utilized multiple CLI tools and configuration GUI's.
- Refactored the Vue.js codebase and integrated the Vuex state management library.
- Handled the heavy development of 30+ embedded JavaScript widgets on third-party publisher sites.
- Developed a robust testing framework, using Jest and Enzyme, to ensure the platform was functioning as expected and to catch any potential bugs before they reached the end-user.
- Implemented authentication/authorization mechanism using Auth0 and AWS Cognito.
- Used AWS Serverless architecture (AWS Gateway & AWS Lambda) for the backend API development and built the Lambda functions using Python & Node.
- Wrote CI/CD pipelines using Jenkins and set up a zero downtime structure with Kubernetes and EKS.
- Integrated PySpacy, NumPy & Pandas for NLP and other advanced features.

IIH Global

Front End Developer

09/2016 - 01/2018

- Build from reusable UI components increases development lifecycle time by 15%.
- Implementing dynamic reports allow to reduce create static reports by 25%.
- Designed, built and automated data flows to save 10 hours of tedious work per week.
- Developed and implemented highly responsive components using React and Redux and built UI/UX with JavaScript, HTML5, and CSS3 while ensuring cross-browser compatibility across 12 major providers based on Figma design.
- Designed 20 charts for the visualization of complex data sets using D3.js.
- Diagnosed and troubleshoot different websites of the company's critical clients by deploying updated knowledge of the modern technologies and techniques in the industry.

WORK EXPERIENCE

The Spynx

09/2021 - 12/2021

Reference: <https://thesphynx.co>

Responsibilities:

- Write the Smart Contracts to implement the pancake-swap
- Write the Front-end by using the React and Web3.js.

Elpis Battle Game

07/2021 - 09/2021

Reference: <https://elpis.game/marketplace>

Responsibilities:

- Write the Smart Contracts of ElpisMetaverseHero and ElpisEquipments
- Write the Front-end for marketplace by using the React and Web3.js.

TellyJuice

01/2021 - 03/2021

Reference: <https://shadows-680dd.web.app>

Responsibilities:

- Write the Smart Contracts to implement the mint of the NFTs by using the Solana Metaplex Candy Machine
- Auto-generate and upload 3600 assets to IPFS
- Write the Front-end by using the React and Web3.js.

Education

York University

Bachelor's Degree in Computer Science

04/2012 - 06/2016

TECHNICAL SKILLS

Platform: Amazon Web Services(AWS) · Docker · Kubernetes · Amazon EC2 · Linux · AWS Elastic Beanstalk · Windows

Languages:

HTML · CSS · Javascript · Go · TypeScript · Python · Bash Script · GraphQL · SQL · Rust · C/C++ · C# · JAVA · Solidity · Ruby · PHP

Libraries:

React · Web3.js · Firebase Web SDK · D3 · Sockets · Pandas · Numpy · Redux-Saga · PyScrapy · React Hook · Functional Component · Styled Component · Material UI · Tailwind CSS · Redux

Frameworks:

Next.js · Angular.js · Node.js · Vue.js · Bootstrap · MUI(Material UI) · JSON Web Tokens · Flask · Django · Jest · Express · ERC20/721/1155 · Solana · Cosmwasm · Hardhat · .NET

Tools:

Visual Studio · Apache Airflow · Mocha · Tmux · RabbitMQ · Slack · GitHub · GitLab · Jenkins · Jupyter · NGINX · Ansible · Git · Asana · Jira · Prometheus · AWS CloudFormation · Amazon EKS · Mongoose

Paradigms:

Agile Software Development · RESTful API · Unit Testing · Microservices Architecture · Responsive Layout · Web Application Architecture · Continuous Integration(CI) · Continuous Delivery(CD) · Test-driven Development(TDD) · Behavior-driven Development(BDD) · MERN Stack · Blockchain · Cryptocurrency

Storage: MySQL · PostgreSQL · MongoDB · Redis · SQLite · AWS DynamoDB