

# Alex Schilling

## Full Stack Developer

✉ alexsmithsuperstar1004@gmail.com ☎ +1 276 243 4509 📍 Baytown, Tx, United States

in <https://www.linkedin.com/in/alex-schilling-717499249/>

### Profile

I am a creative Full Stack Developer dedicated to developing and optimizing interactive, user-friendly, and feature-rich web sites. I have 8+ years of relevant experience and a proven track record of success in achieving extraordinary results. Appreciated and commended multiple times by the upper management for efficiency. I have a proactive attitude with sense of ownership and strong work ethics and having worked at various agencies in my career, acquired excellent organizational and time management skills. With a strong attention to detail and accuracy and the important ability to function well in a team setting, I am looking for a Developer job within a forward-moving company.

### Skills

**Languages** (JavaScript, TypeScript, HTML, CSS, SQL, Python, GraphQL, PHP, C++, C#, Solidity, Ruby, Go)

**Framworks** (React, Redux, Vue.js, Next.js, Django, Express.js, React Native, Angular, Bootstrap, Tailwind, Flask, WordPress, Laravel, Hardhat, Truffle, Chainlink, QT5, Boost)

**Libraries / APIs** (Node.js, REST APIs, Antd, MUI, Chart.js, Highcharts, Three.js, Web3.js, Ethers.js, Geth, OpenZeppelin, Redux Form, Reselect, AWS Amplify)

**Tools** (MongoDB Atlas, Mongoose, AWS, Celery, Redux Thunk, SendGrid, Webpack, Git & Github, Docker, CI/CD Pipelines, Remix, Moralis, Pinata, Alchemy, Hedera, Amazon EC2, GCP, Linux, MacOS, CMake)

**Blockchain Platforms / Nets** (Ethereum, Bitcoin, Dash, Solana, Stellar, Binance, Polygon, Hyperledger, Corda, EOSIO, Tendermint)

**Storages** (MySQL, PostgreSQL, MongoDB, NoSQL, Firebase, Elasticsearch, Oracle, SQLite, Microsoft SQL Server)

### Professional Experience

#### Senior Full Stack Developer, Softchoice

10/2020 – 07/2023

- Took charge of spearheading the front-end development of a smart price recommendations platform utilized by prominent retail and eCommerce clients, leveraging React.
- Collaborated closely with cross-functional teams to seamlessly integrate third-party APIs and services, such as payment gateways and shipping providers.
- Created and sustained a robust, lightning-fast back-end system using Node.js, Express, and MongoDB, designed to process millions of transactions daily while maintaining optimal performance.
- Deployed a streamlined continuous integration/continuous deployment (CI/CD) pipeline utilizing Travis and Jenkins, guaranteeing swift and dependable deployment of new functionalities and enhancements.
- Contributed to the development of a remarkably scalable customer relationship management (CRM) system, harnessing the power of Node.js, Express, MongoDB, and React. This cutting-edge system empowered sales teams to efficiently handle leads, monitor customer interactions, and collaborate on lucrative deals.
- Utilized the AWS Serverless Application Model (SAM) to successfully deploy serverless web applications, while seamlessly integrating Amazon S3 for efficient file storage and Amazon SES for reliable email notifications.

#### Full Stack and Blockchain Developer, CourseStorm

11/2018 – 08/2020

- Created a diverse range of decentralized applications (dApps) across multiple Blockchain platforms, notably including a decentralized exchange (DEX) and a supply chain tracking application.
- Utilized Ethereum Blockchain and the Solidity programming language to develop a highly secure dApp, facilitating seamless peer-to-peer transactions and seamless integration with an off-chain payment gateway.
- Implemented an array of smart contracts, encompassing multi-signature wallets, automated market makers, and token issuance contracts, employing Solidity, Rust, and Go.
- Constructed NFT minting sites, marketplaces, and staking platforms, supporting ERC-721 and ERC-1155 standards, while seamlessly integrating NFT functionality within dApps.

## Education

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### **Bachelor's Degree in Computer Science,**

Nagoya University

2009 – 2013

- Computer Science Fundamentals
- Computer Networks
- Software Engineering
- Data Structures and Algorithms
- Database Management Systems
- Operating Systems
- Artificial Intelligence
- Human-Computer Interaction

## Certificates

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### **Certified Front-End Web Developer , 07/2016**

Issued by Free Code Camp.

This certification validates proficiency in HTML, CSS, JavaScript, and other front-end web technologies, including responsive design, accessibility, and user experience.

### **Certified Professional in Web Accessibility (CPWA) , 02/2020**

Issued by International Association of Accessibility Professionals (IAAP).

This certification validates knowledge and expertise in web accessibility standards and guidelines, including WCAG 2.0 and Section 508 compliance.

### **Hyperledger Fabric Developer (HFD), 10/2021**

Issued by Linux Foundation.

This certification validates my skills in developing applications on the Hyperledger Fabric Blockchain, including chaincode development, network setup, and operations.

### **Certified Information Systems Security Professional (CISSP) , 10/2021**

Issued by International Information Systems Security Certification Consortium (ISC)<sup>2</sup>.

This certification validates knowledge and expertise in information security, including topics such as access control, cryptography, network security, and software development security.

## Languages

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English

Japanese

## Interests

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Football, Tennis, Climbing

- Successfully implemented consensus algorithms such as PoW and PoS, and undertook the responsibility of crafting tokenomics for a novel cryptocurrency project. This encompassed designing the token model and formulating an economic model to determine initial token distribution and incentives.

### **Senior Frontend Developer, Ekohe**

02/2016 – 10/2018

- Developed a robust React front-end admin dashboard, enabling sophisticated table data visualization with intuitive search functionalities.
- Adapted an existing website into a mobile-responsive version, ensuring compatibility across all platforms and browsers.
- Engineered a versatile notification utility with extensive capabilities for drafting, scheduling, and executing notifications. Additionally, integrated Webhooks to support customized client implementations.
- Spearheaded the front-end development efforts for an educational software product, utilizing the power of React and Redux frameworks.
- Fostered close collaboration with back-end developers to facilitate seamless integration and enhance the overall user experience. Developed APIs and implemented front-end caching mechanisms to optimize performance and alleviate server load.
- Collaborated with UX designers to translate web designs into user-friendly and responsive web pages. Developed reusable and modular components, and implemented design systems to ensure consistent aesthetics throughout the website.

### **Junior Web Developer, Emerton**

05/2013 – 12/2015

- Collaborated with a team of React developers to construct user interfaces and components, leveraging React, Redux, and other cutting-edge front-end technologies.
- Contributed to the front-end development of websites utilizing CMS platforms like WordPress or Shopify. Developed customized themes, implemented plugins, and optimized website performance.
- Conducted comprehensive research on emerging web technologies, offering valuable insights and recommendations on integrating them into web development projects.
- Developed and maintained well-organized code repositories using Git for version control, ensuring thorough documentation and efficient code management.
- Engaged closely with UX designers to effectively translate web designs into intuitive and responsive web pages.
- Created various small-scale web projects, including landing pages, microsites, and email templates, delivering high-quality results in a timely manner.