

Arnold Tang

Software Engineer

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Summary

Well-motivated software engineer with 7+ years of experience in developing web applications and dApps in the software development field.

Participated in 16+ small to large projects and gained rich experience in most of the web technologies.

Proficient in both front-end side and back-end side and even have rich experience in DevOps.

Eager to bring cutting-edge research to the real world and help build a platform for the next generation of cryptocurrency applications.

Work experience

Freelance

May/2021 - Present

Software Engineer

- Developed Pegasus game token IDO project of Pegasus Metaverse MMORPG.
- Creation of HowToTube website (Video Platform) using React, Python, Flask, PostgreSQL, SQLAlchemy and RESTful design as full-stack web application.
- Working with event-driven architectures, Redis, Golang, PostgreSQL and cloud services, like GCP or AWS.
- Working with Hardhat and Geth or other development frameworks and local environments.
- Exploring Cosmos SDK projects and other projects that will be built on the cosmos.
- Creating hybrid stable coin UXX site using Vue.js + GraphQL + PostgreSQL.
- Passed Arc.dev's Silicon Valley-caliber vetting process and get certified.
- Full-stack programming with focus on using strongly typed languages (Rust, Golang, Typescript).
- Crypto Coins Exchange Development, ICO & IDO Development with Created Token.
- Token development based on Ethereum and Binance (ERC20, ERC721, ERC 1155, BEP20, BEP721, BEP1155).

Tintash/Mississauga, Canada

Aug/2020 - Apr/2021

Web Full-stack Developer | Blockchain Developer, Remote

- NFT (Non-Fungible Token) Marketplace and Mint site Development.
- Solidity smart contract development, management, processes, best practices, debugging and testing tools.
- Designed and provided web solutions for a number of small businesses using Wordpress, Jamstack CMSs, social network/Web APIs, e-commerce pay modules.
- Perform database defragmentation and using GraphQL optimize SQL queries, improving database performance and loading speed by 70%.
- Architected and led a development team building core apps and NLP based chatbot using React.js, Vue.js, GraphQL and Node.js.
- Revamped UI and interface of an e-commerce site that enhanced performance and improved load time by 45%.
- Developed dynamic and interactive website that ensured high traffic, page views, and user experience, resulting in 40% increase in sales revenue.

Lead Full-stack Developer | Project Manager, Remote

- Developed a React web app (DApp) for blockchain-based track and trade systems.
- Introduced an IBFT consensus algorithm and contributed to big mining pool on the AION network.
- Developed new UI for website landing pages using React and designed HTML email templates, increasing email signups by 9% and email CTR rates by 20%.
- Collaborated with project managers and other engineering groups to plan and prioritize projects and then break them into scrum epics and stories for my teams (agile).
- Lead the development of 6 database projects for one of the company's largest clients with on-time delivery and 18% under budget completion.
- Upgrade the system to automate image optimization, achieving an average load time of 3 seconds or less with a bounce rate of 20-40%.
- Successfully transform the team's waterfall mindset to Agile by developing 20+ effective training materials for teams to understand Agile delivery.
- Deliver guidance in all aspects of campaign creation from concept through on-time and on-budget completion of multiphase projects involving budgets up to \$75,000.

Genic Solutions/Singapore**Oct/2017 - Feb/2019****Full-Stack Developer**

- Created a Django (Python) web application for a company that works with insurance companies and radiologists. The work included updating Django admin pages and working with bulk imports of CSV data.
- Oversaw full lifecycle of software development for 9 projects with 100% on-time delivery while staying 5% under budget.
- Deployed full-stack web applications to AWS EC2, and RDS.
- Developed a web application for an IT support company that involved building Python back-end and JavaScript front-end. Also built charts to visually display information about client computers.
- Designed and developed efficient and maintainable software according to business objectives and needs of various clients.
- Utilize jQuery, AJAX and AngularJS to redesign the UI functionality of 5+ multithreaded apps running on mobiles, tablets, and other touchscreen devices.

Vinova Pte. Ltd. / Singapore**Oct/2015 - Sep/2017****Intern Web Developer | Full-stack Developer**

- Utilize jQuery, AJAX and AngularJS to redesign the UI functionality of 5+ multi-threaded apps running on mobiles, tablets, and other touchscreen devices.
- Software development using ElectronJS+Node.js+Vue.js for a Marijuana Medicinal company.
- Maintained complex technology infrastructure and collaborated with product team to implement new features and strategically plan for future products.
- Conducted unit and load testing for high profile customer facing applications, which reduced system failure rate by 70%.

Certifications

- Certificate of Achievement Devcon V2019
- Arc Specialist Certificate

Education

Singapore Institute of Technology**2010 - 2014****B. S. Computer Science**

- Analysis and Systems Development
- Artificial Intelligence
- Cloud & Distributed Computing
- Data Structure and Algorithms

Skills

Language

- Javascript/Typescript
- Python
- Go
- PHP
- C++
- Java
- Solidity
- Rust

Frameworks

- Vue.js
- Django
- Laravel
- Wordpress
- Gatsby
- Nest.js
- Cypress
- Cosmos SDK

Library/APIs

- React.js
- Node.js
- D3.js
- GraphQL
- Apollo
- SQLAlchemy
- Web3.js
- Ethers.js

Platforms

- GCP
- Nginx
- AWS
- Azure
- Docker
- Kubernetes
- Ethereum
- Solana

Tools

- Git
- CircleCI
- Selenium
- Storybook
- RabbitMQ