


Richard Jiang *Full-stack Developer | AI Engineer | ML Engineer*

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Profile

I am a Full-stack Developer with 10+ years of experience specializing in integrating Machine Learning models that solve real-world problems into enterprise-grade distributed web applications. I have an entrepreneurial mindset and approach to projects which means I always tries to help a business get the most value in the least amount of time possible. I am seeking a position with a tech start-up to be part of an innovative and creative team developing technical platforms and products for a multitude of constituents.

Education

09/2011 – 05/2015 **University of California, Berkeley** 
Berkeley, CA, *Bachelor's Degree*
United States Grade: A++

Professional Experience

05/2021 – 11/2022 **Senior Full Stack Developer**
Los Angeles, CA, *Techcronus, Inc (Full-time)*
United States

Built ecommerce sites for multi purpose marketing agency, skin safety, modernizing premium vehicles, and repairing car.

- Worked closely with the product team to build intelligent search functionality in React for an ecommerce site with a catalogue of 5000 products leading to an increase in page views per session of 22%.
- Improved the page speed by 15% for an e-commerce site by leveraging browser caching and improving server response times.
- Utilized the React.js, Express and GraphQL to create APIs for both internal and external use reducing the time to ship newfront-end features by 4% FreshDirect.
- Responsible for API design and development of RESTful Services For the enterprise product in the business.
- Handled building new React components for the customer-facing web app which improved the time on page for the average user.

09/2020 – 03/2021 **Blockchain Developer**
Singapore, *OKBL PTE. LTD (Contract)*
Singapore

Built Decentralized website for crypto market place, DEFI, launch nfts.

- Developed the user friendly front-end UI using react/next.js and web3 integration using web3.js or ether.js, with increased customers up to 2 times as expected.
- Integrated our data platform with the web3 stack (MetaMask, Hardhat, OpenZeppelin, Filecoin, Oracle Networks, multichain smart contracts, etc).

- Built tools, platforms, and database integrations to turn a blockchain-secured data/analytics platform into a user-facing hosted cloud solution.
- Developed and maintained blockchain software (including integrations, security & testing) in a performant, high-uptime environment.
- Built products based on various well-established blockchain protocols (Ethereum, Polygon, and more)

03/2018 – 07/2020
Mount Vernon, VA,
United States

Mid Full Stack Developer

The Mount Vernon Inn Restaurant (Full-time) [✉](#)

Developed a food restaurant, delivery website.

- Implemented the main functionalities for food restaurant marketing with Angular and Golang.
- Integrated multiple payment methods: I was responsible for integrating various payment methods such as PayPal, Stripe, and credit/debit card payments into the website. This involved developing secure payment gateways and ensuring consistent and reliable payment processing.
- Developed custom user authentication: I created a custom user authentication system that involved creating unique user profiles, password hashing, and role-based access control for the website's different functionalities.
- Designed an intelligent search functionality: I worked closely with the product team to develop an intelligent search engine that allowed customers to search for restaurants and menu items quickly and efficiently. This involved using Angular.js to develop a responsive user interface and utilizing Golang to process and return search results.
- Improved website performance: I leveraged browser caching and optimized server response times to improve website performance, resulting in a 15% increase in page speed.

01/2016 – 12/2017
Edmonton,
Alberta, Canada

Mid ASP.NET Developer

Booster Juice (Contract) [✉](#)

Built a create long-standing customer relationships by consistently delivering an incredibly delicious, convenient and nutritious product, perfectly suited for an active lifestyle.

- To ensure efficient functionality for all users, I developed a lot of role-based apps like customer, delivery, store admin, and user. Implemented multiple sign-in options, quick research functions, and social media sharing options resulting in a 2x increase in customer interest rates. To optimize the delivery process, I integrated map navigation to the delivery location, enabling real-time tracking and efficient communication through email and custom push notifications.
- To ensure secure payment processing, I integrated PayPal as the third-party payment system. Additionally, I developed advanced store management functionalities, including multiple search and filtering options to enable efficient inventory management and order processing.

- To optimize the delivery process, I implemented Multiple Delivery Zones using Google Map API Geofencing technology. To cater to a broader audience, the application supported multiple languages and multiple currencies as per the business needs.

Skills

Languages ● ● ● ● ●

HTML, CSS, JavaScript, C#, Go, Sass, SQL, Ruby, TypeScript, Dart, Python, Java, GraphQL, Bash, C++, Solidity, Scala, C, VHDL, Assembly, PHP, Less

Libraries/APIs ● ● ● ● ●

jQuery, Web API, RxJS, Vue, Node.js, Shopify API, Google Maps API, Entity Framework, TensorFlow, PyTorch, REST APIs, Scikit-learn, SciPy, NumPy, Amazon EC2 API, SQLAlchemy, Matplotlib, Ggplot2

Platforms ● ● ● ● ●

Docker, Amazon Web Services (AWS), Azure, Ethereum, Android, Blockchain, MacOS, Linux, Google App Engine, iOS, AWS Lambda, PagerDuty, Google Cloud Platform (GCP), Visual Studio Code (VS Code)

Paradigms ● ● ● ● ●

Agile Software Development, Agile, Continuous Integration (CI), Model View Controller (MVC), Data Science, DevOps, Functional Programming, Database Design, Object-oriented Programming (OOP), RESTful Development, REST, App Development, UI Design, Design Patterns, Agile Project Management, Mobile Development, Scrum, Testing, Socket Programming

Frameworks ● ● ● ● ●

React, Redux, Ember.js, Unity, Unity3D, React Native, Express.js, Ext JS, Entity, Bootstrap 3+, AngularJS, ASP.NET MVC, NUnit, Angular, Jasmine, Ionic, ASP.NET, ASP, Bootstrap, Angular Material, Ruby on Rails (RoR)

Storage ● ● ● ● ●

PostgreSQL, MySQL, Microsoft SQL Server, MongoDB, BigTable, Amazon S3 (AWS S3), Elasticsearch, Redis, SQLite, Google Cloud


Tools ● ● ● ● ●

Adobe Experience Manager, Git, Splunk, Jira, MATLAB, Apache Tomcat, Shopify Plus, JetBrains, Gorilla, Atom

Other ● ● ● ● ●

RESTful Microservices, Full-stack, Software Architecture, APIs, Image Processing, Shopify Design, Technical Reports, Architecture, Shopify Customizations, Microsoft Power Automate, Front-end, Laboratory Information Management System (LIMS), User Experience (UX), Data Visualization, SEO Tools, Themes, Ajax, Writing & Editing, Cryptocurrency, CTO, Business Services, Technical Leadership, Low Code, Video Players, Streaming, Offline Web Applications, Service Workers, Machine Learning, Deep Learning, Regression, Business Administration, WebSockets, ERC-20, Back-end, Back-end Development, Google Tag Manager, Cloud, Machine Vision, Fintech Consultant, Live Chat

Languages

English 

Chinese 