Zhu Lin
Senior Full Stack Engineer
(React, Node.js)

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ABOUT ME:

   Passionate software engineer with a knack for turning ideas into impactful apps.
Skilled in React, Node.js, React Native and AWS. I enjoy tackling tough problems and finding elegant solutions. Known for delivering high-quality, scalable software on tight deadlines.
   I work well in fast-paced environments and enjoy collaborating with diverse teams to create awesome user experiences. Always learning, always coding.

SKILLS:

Programming Languages	JavaScript, Typescript, Python, PHP, Java, PHP
Frontend	React, Next.js, Vue, Angular, Nuxt.js, Solid.js, jQuery
Backend	Node.js, Express.js, Nest.js, Fastify, Spring Boot, Django, Laravel
Database	MySQL, PostgreSQL, Oracle, SQLite, MongoDB, CosmosDB
Cloud	AWS, Azure, GCP, Firebase
AWS	EC2, S3, Lambda/Step Functions, ECS, RDS/DynamoDB, SNS/SQS, IAM
Web	HTML/CSS, REST, RPC, AJAX, JSON, GraphQL
Mobile	React Native, Java/Kotlin, Swift, Flutter
Styling	Material UI, Tailwind CSS, Ant Design, Styled Component, Semantic UI
Version control tools	Git, SVN, Bitbucket, CVS
CI/CD	Jenkins, CircleCI, Terraform
Testing tools	Jest, Cypress, Mocha, Jasmine, React-test-render, Enzyme, Playwright, Vitest
CMS	WordPress, Builder.io, DatoCMS
Soft Skills	Team Player, Time Management, Forward Thinking, Active Listener

EDUCATION:

The Hong Kong University of Science and Technology
Bachelor's Degree in Computer Science   2008 - 2012

WORK EXPERIENCE:

Webstacks   Jul 2021 - Jul 2024
San Diego, CA (Remote)
Senior Full Stack Engineer

- **Projects**

  o Participated in developing **marketing sites** for various clients using Next.js, Gatsby, WordPress, and headless CMS platforms like DatoCMS, builder.io and Contentful.
  o Built a **telemedicine application** for a healthcare client, leveraging Next.js for the web, React Native for mobile, Node.js, Nest.js, and MongoDB.
  o Worked on a **drug discovery platform** for a pharmacy client using tech stacks such as React, Node.js, and Python.
  o Built an **e-learning platform** with rich media streaming capabilities using React and AWS serverless.

- **Responsibilities & Experience**

  o Built responsive, pixel-perfect pages from **Figma** designs using **React** and **Material UI**.
  o Utilized frontend optimization approaches like **HOCs**, **custom hooks** and **mono repositories** and **followed memoization best practices** to enhance performance and reusability.
  o Introduced **Redux Saga** to handles asynchronous update of Redux state.
  o Managed storybook UI components to maintain reusability and documentation.
  o Used **CSS3** features like media queries, pseudo-classes, multi-column layouts, gradients, and web fonts.
  o Debugged frontend applications using developer tools, console logging, and performance monitoring tools like Sentry and New Relic.
  o Experienced in building and optimizing data visualizations and analytics dashboards using LookML in Looker for actionable business insights.
  o Developed complex SQL queries to extract data for quarterly financial reports, including joining multiple tables and using aggregate functions to summarize sales data.
  o Improved database performance by indexing key columns and rewriting inefficient queries.
  o Built **Fastify** plugins for RESTful services and **websocket** with **Typescript** for type safety.
  o Integrated **WebRTC** for video sessions on a centralized infrastructure.
  o Built and consumed GraphQL queries using Apollo GraphQL.
  o Used **Jest**, **Cypress** and **react-test-render** for unit, e2e testing.
  o Worked extensively with **AWS Lambda** for serverless computing, **EC2** instances for scalable processing power, and **S3** for secure and scalable storage of video assets.
  o Built AWS serverless infrastrcture using **AWS CDK** for media processing pipeline.
  o Built interactive video player componenent with lots of UX and streaming capability on frontend.
  o Integrated **AWS Cognito** to implement multi factor authentication for easy setup.
  o Experienced in working with **ES6** and its advanced features such as arrow functions, modules, and promises.
  o Worked in **Agile** Methodology to provide more efficient and higher quality work.
  o Collaborated closely with product managers to translate requirements into designs and establish precise roadmaps for project execution.
  o Successfully **managed multiple projects simultaneously**, transitioning between different projects and teams as needed.
  o **Mentored** junior developers through pair programming sessions and provided constructive feedback on pull requests, enhancing overall code quality and collaboration.

IGT   Sep 2015 – Jun 2021
New York, NY (Onsite/Hybrid)
Senior Software Engineer

- **Projects**

  o Built **sports betting applications** for clients using Next**.**js, Node**.**js, PostgreSQL.
  o Developed **CRM systems** to manage player interactions, promotions, and loyalty programs using React and Node.js.
  o Worked on making **tools** and **dashboards** for analyzing player behavior and game performance using vanilla JavaScript, React and Node.js.

- **Responsibilities & Experience**

  o **Architected** frontend applications focusing on component, state management, and routing.
  o Created reusable and responsive React.js components with **D3.js** that support interactive visualizations.
  o Provided enhanced **UX** by implementing infinite scrolling and virtualized scrolling.
  o Made a combination of **SSR** and **SSG** for both dynamic and static pages.
  o Used **Redux** promise and Redux middleware libraries such as **redux-thunk** and **redux-saga** to consume RESTful and GraphQL APIs.
  o Created and utilized **custom hooks** and **HOCs** to increase reusability.
  o Experienced in managing web page's style, look and feel with SASS.
  o Built **Express.js Routers** for RESTful services and **websocket** servers with **Typescript**.
  o Implemented **Auth0** authentication within the **Next.js** application for social logins, MFA, and role-based access control by utilizing @**auth0/nextjs-auth0** library.
  o Worked with SQL and NoSQL databases like **MySQL**, **PostgreSQL**, **MongoDB, and Redis as a cache**.
  o Wrote unit and integration tests using **Jest**, **Vitest**, **Mocha**/**Chai**, **Enzyme**, and **react-test-render**.
  o Experienced in deploying web applications, especially in Linux environment using AWS EC2 and Jenkins with a connection with our version control system - Github.

Concentrix   Oct 2012 – Aug 2015
New York, NY (Onsite)
Software Engineer

- **Projects**

  o Participated in migrating several marketing sites and CRM systems with React.
  o Experienced in building web applications using PHP frameworks, Node.js, React, JQuery and AWS, and absorbed new technologies showing potential as a fast learner.

- **Responsibilities & Experience**

  o Built user-interactive web pages using **jQuery**, and its related plugins for carousel, data tables, and modals.
  o Designed **CSS** templates for all web pages working with CSS **background**, **positioning**, **text**, **border**, **margin**, **padding**, and **table**.
  o Worked on **React** components, Forms, Events, Keys, Routers, Animations, and Flux concepts.
  o Built custom reporting engine with graphical Excel output using **Excel JavaScript API**.
  o Debugged the frontend application issues using browser developer tools such as console, inspector, and network monitor.
  o Built and utilized **RESTful** web services for POST, PUT, DELETE, and GET methods.
  o Enhanced performance by using optimized algorithms and proper data structures.
  o Extensively used **Git** for version control, **GitHub** as a remote server.