KEN DAH LEE

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**Skills**

**Languages:** HTML, CSS, JavaScript, TypeScript, C++, C#, Java, PHP, Python, Golang, SQL

**DevOps:** Docker, CI/CD, Azure

**Cloud Platforms:** AWS, GCP, Digital Ocean, Firebase

**Frameworks:** Angular, React, Next.js, React Native, Vue.js, ASP.NET, Node.js, Flask, Django, Fast API, Symfony

**Databases:** MySQL, PostgreSQL, MongoDB, GraphQL, MS SQL

**Version Control:** GitHub, GitLab, Bitbucket

**Experience**

**Senior Frontend Engineer,** adonis

*Contract* | Apr 2023 – Apr 2024.

* Led the front-end development of Adonis Intelligence, implementing React.js to create intuitive user interfaces (UIs) and streamline data visualization, enhancing user experience.
* Utilized React, JavaScript ES6, Redux, Context API, and React Hooks to develop highly responsive and reusable UI components.
* Designed and implemented executive dashboards and custom reports using data visualization tools like D3.js and Chart.js, enabling stakeholders to track KPIs and gain valuable insights.
* Improved web application performance by optimizing code, implementing lazy loading techniques, and minimizing network requests, resulting in a 30% reduction in page load times.
* Optimized an application by refactoring core components with a focus on database queries; resolved performance issues, reducing load times by 40% and increasing user satisfaction scores by 25%.
* Deployed advanced unit testing strategies leveraging Jest and Enzyme within CI/CD pipelines; decreased regression risks by 40% and accelerated feature delivery by 25%.
* Mentored junior engineers, delegating tasks aligned with their individual skills. Acted as a mentor, quality assurance (QA) reviewer, and pull request (PR) reviewer.
* Pioneered an Agile transformation, resulting in 25% fewer project delays and 30% better team collaboration, fostering quick adaptation to changing requirements.

**Software Engineer,** Medical Guardian

*Full-time* | May 2021 - Feb 2023

* Developed the Medical Guardian website using the Angular framework, adhering to Agile Methodology for efficient project management.
* Revamped the Angular front-end, improving performance; integrated with Node.js and Express.js via RESTful API, resulting in 20% faster page loads and 25% higher user engagement.
* Engineered a serverless infrastructure using AWS Lambda, DynamoDB, and S3; achieved 60% improvement in system reliability and reduced operational costs by 25% through efficient resource management.
* Spearheaded a project to refactor the application codebase, identifying and eliminating bottlenecks, resulting in a 30% increase in application speed and a 20% decrease in system crashes.
* Orchestrated the integration of Jest and Enzyme for unit testing in CI/CD pipelines; reduced regression issues by 50% and expedited feature deployment by 30%.

**Full Stack Engineer,** UNUM

*Full-time* | Mar 2020 - Feb 2021

* Worked on a new identity control center platform for web and mobile, Built with React, React Native, Node.js, and PostgreSQL.
* Configured a Linux server from scratch, set up Apache virtual hosts, and managed DNS records; ensured 99.9% uptime and improved website load times by 40%, significantly enhancing user experience.
* Restructured the React front-end from Redux and Class components to React Query and functional components, reducing bounce rate by 30% and increasing user retention by 20%.
* Planned, implemented, and maintained software using the JavaScript/TypeScript stack—React, React Native, and Node.js.
* Integrated with SQL and NoSQL databases, both locally and in the cloud, such as Firebase, DynamoDB, PostgreSQL, and MongoDB.

**Frontend Software Engineer,** UNUM

*Full-time*| Aug 2018 - Feb 2020

* One of the founding engineers for UNUM's web platform. Led the development of several projects from new product offerings and feature work, to frontend infrastructure and tooling.
* Worked on the admin and customer portals and rewrote them from Vue 2 to React/TypeScript. Introduced CI/CD for the front end via GitHub Actions.
* Utilized React, GraphQL, and TypeORM for object-relational mapping, in addition to integrating 3rd-party vendor applications to enable data collection, phone calls, and notifications.
* Set the ground for best practices by creating a custom and extendable ESLint npm package, getting 100% adoption from the UI library and the Next.js apps.
* Designed data models in headless CMS, such as Contentful, Dato, and Strapi, and hooked these models up to the front end with GraphQL.

**Frontend Engineer,** Digis

*Contract*| Oct 2016 - May 2018

* Migrated old ES5 PHP stacks used by Digis to a more modern framework such as Node.js, React, Redux, and GraphQL.
* Collaborated in monitoring and alerting, APIs, microservices, infrastructure automation, and on-call rotation in our Kubernetes-based platform as a service, Streamlit Cloud.
* Expanded Django analytics platform to include new social media platforms, boosting data collection efficiency by 20% and user engagement metrics by 25%.
* Maintained a system that used MongoDB as the bucket for processed MapReduce data, allowing users to execute time-series queries.

**Education**

**California State University, Fullerton** | Fullerton, CA | September2012 – November2016

* *Bachelor of Computer Science*