

Akash Rajan

Software Engineer | Houston, TX | (832)-232-1503 | akashrajan93@gmail.com
linkedin.com/in/akashrajan | github.com/akashrdev

TECHNICAL SKILLS

Front-End - JavaScript (ES5 and ES6), React, HTML5, CSS3

Back-End - Node.js, Express, PostgreSQL, MongoDB, MySQL, Docker, RESTful APIs

Testing/Deployment - Jest, Mocha, Chai, AWS: EC2 / RDS / S3

Developer Tools - Vim, Git, npm, Nx, Webpack, Babel, Vite, Agile, Scrum, TDD

SOFTWARE APPLICATION DEVELOPMENT EXPERIENCE

Project Atelier E-Commerce Back End Optimization | Back-End Engineer | [Github Repo](#)

Javascript, Node.js, Express.js, Axios, PostgreSQL, AWS, Artillery, Loader.io, Jest, Agile

2023

- Performed **ETL** processes on over 6 million records to persist required data using **PostgreSQL**
- Deployed newly transformed database and **Express** server with **Express Router** onto **AWS EC2** instance optimizing RPS and supporting higher app traffic with average latency of 25ms
- Stress tested entire microservice with **Artillery** and **Loader IO** for reliability up to 1k RPS with error rate less than .1%

Aficionado Social Media Full-Stack Application | Full-Stack Engineer | [Github Repo](#)

Javascript, React, HTML5, CSS, Vite, Material UI, Node.js, Express.js, PostgreSQL, REST API, Prisma, AWS, Jest, Agile

2023

- Created client-side with **React**, **HTML5**, **CSS**, **Material UI**, and **Tailwind CSS** with a focus on clean UI/UX
- Implemented back-end using **Node.js**, **Express.js**, and **PostgreSQL** with **Prisma** with latency tested under 10ms
- Emphasized strong security using **Express Sessions**, **JWT**, and **React-Cookie** to ensure user data is stored safely

Whisky Business Memory Game Full-Stack Application | Full-Stack Engineer and Project Manager | [Github Repo](#)

Javascript, React, HTML5, CSS, Vite, Tailwind CSS, Node.js, Express.js, PostgreSQL, REST API, AWS, Docker, Vercel

2023

- Implemented a client-side catalog of adoptable pets using **React**, **HTML**, **CSS**, and **Material UI**
- Fetched data from **Petsfinder API** while using **Geolocation API** to request location from users and populate catalog with animals from local shelters
- Deployed **dockerized** application using **AWS EC2** instance for ease of vertical scalability

Project Atelier E-Commerce Front End Implementation | Front-End Engineer | [Github Repo](#)

Javascript, React, HTML5, CSS, Material UI, Vite, Mocha, Chai, Vitest, Agile

2023

- Created main shopping module using **React**, **HTML**, **CSS** and **Material UI** with a focus on ease of use for end users
- Improved **Google Lighthouse** score average from 76 to 93 by optimizing code, minimizing lines, improved color contrast for accessibility with added descriptive labels and text.

PROFESSIONAL EXPERIENCE

Magic Eden | Product Marketing Associate

Mar 2022 - Feb 2023

- Managed major go-to-market campaigns in collaboration with **Design**, **Product**, and **Development** teams for site features and products, for a daily user base of 50k+ generating **5M+ USD** in revenue
- Conducted user research studies to gather insights and drive meaningful changes, improving the user experience and product offerings resulting in **NPS** scores consistently in the **90th percentile**.

Ernst & Young LLP | Resource Manager

Dec 2019 - Mar 2022

- Oversaw end-to-end management of over **250 client-serving tax professionals**, and conducted **data analysis** and **visualization** for a large variety of revenue driving **KPIs** using **Excel**, and **MS Power BI**.
- Collaborated closely with **C-level executives** to drive business strategy and solutions with **data driven decision making** impacting **95% of National Tax** function's revenue

EDUCATION

Hack Reactor | Advanced Software Engineering Certificate - Class President

2023

Culinary Institute Le Notre | Hospitality Management - Magna Cum Laude

2015