

Aimee Misaki | Software Engineer

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SKILLS/TECHNOLOGIES – **Scripting:** JavaScript, HTML/CSS, Python **Cloud Providers:** Amazon Web Services (EB, EC2, S3), Docker, Netlify, Heroku, Vercel **Frontend:** React (Hooks, Router), RESTful Architecture, API/AJAX, Axios, UI/UX Best Practices (TailwindCSS, Bootstrap) **Backend:** Node.js, NoSQL (MongoDB, Mongoose), SQL (PostgreSQL), MySQL (PlanetScale), Express.js, Django **Authentication:** JSON Web Tokens, cookies, Passport, BCrypt **Misc:** Version Control (Git/ GitHub), Postman, Stripe **Testing:** Mocha, Chai **Languages:** English (Native), Japanese (Native), French (Full Professional Proficiency), German (Professional Working Proficiency)

PROFESSIONAL EXPERIENCE

Co-founder & Software Developer, Teki

Jan 2023 - March 2023

- Developed project plans, deliverable timelines and budgets, and monitored progress throughout the project lifecycle, adjusting as necessary to ensure successful delivery
- Communicated routinely with clients to provide project updates, manage expectations and resolve any issues/concerns
- Developed and implemented best practices and processes to improve efficiency, quality, and client satisfaction
- Collaborated with client working on different iterations of APIs, eg. TalkJS, SendGrind, Stripe subscriptions

ENGINEERING APPLICATIONS

Product Owner & Engineer, Meet N Eat | Full-stack Social Media App Based on Restaurant Interest Data Aug 2022 - Nov 2022

- Led Agile SCRUM methodology, compartmentalized by 4 sprints with bi-weekly standups
- Created Component Detail Roadmapping, Entity-Relationship Diagram, Component Hierarchy and Wireframes
- Enabled scalable resource management and automated deployment updates using Docker containerization and AWS EC2 infrastructure

Frontend:

- Implemented a centralized data retrieval process using 1 Axios call Reducer hook, resulting in improved user experience by reducing the number of API calls from 51 to 1 and reducing network overhead, while maintaining data consistency across the app
- Developed an advanced authentication system: Implemented parent route for persistent login and leveraged React Router's <Outlet /> component to provide seamless navigation for authenticated users
- Managed user authentication state and persist user data across sessions by employing createContext and useState hooks
- Enhanced security and performance by utilizing useGlobalReducer hook to manage user data and wrapped the <AuthProvider> component around the top-level <App /> component, comprehensively improving user experience by providing seamless authentication and enabling efficient data retrieval

Backend:

- Built a Node.js server in conjunction with an Express framework to handle 42 HTTP requests to modularize CRUD operations for user interactions, restaurant engagements and user logins by implementing 2 routes and controllers
- Scaled backend-to-frontend latency and improved data load processing performance by building 36 bespoke controllers for frontend API calls
- Reduced backend server capacity and improved data retrieval speed and relevant information serving to the DOM by constructing a highly scalable and performant full-stack application, leveraging MongoDB and Mongoose, to implement horizontal scaling, create optimized user schemas and efficiently query large amounts of unstructured data from the NoSQL database
- Mitigated the risk of unauthorized access and ensured robust personal information security architecture by leveraging cryptographic technologies, eg. Passport and JSON Web Tokens (JWT), to implement secure user authentication and enable seamless account access, as well as using BCrypt's advanced cryptographic algorithms to salt and hash passwords

Frontend Software Engineer | Destinationz | Travel App

July 2022 - Sep 2022

- Improved processing speed and performance by building algorithms to dynamically analyze and parse a nested dataset of HTTP requests
- Enhanced user experience by developing a streamlined web application using React and integrating third-party API data to seamlessly compare cities, provide users with travel destinations' details and facilitate booking on three different sites specific to their city of choice based on form-data returns and handling hooks for navigable stateful components

Backend Software Engineer | Mom N Spot | Full-stack Django Local Business Manager App

Aug 2022

- Showcased ability to adapt quickly by completing app after learning Python and Django within 4 days
- Improved efficient data storage and retrieval by implementing AWS S3 and leveraging AWS cloud infrastructure's scalability and security
- Optimized app functionality by reconfiguring an unnecessarily complicated form to an user-friendly dynamic single modern form and single model for dynamic and efficient use in multiple views
- Improved personal data security by implementing Cross-Site Request Forgery (CSRF) protection via csrf_token in Django templates, ensuring that only authenticated users can access their personal list of created posts and create new posts

EDUCATION

New York University NYC, USA BA Politics, Rights & Development / Environmental Studies May 2020