Chase Allman-Knieper

Software Engineer || Front-End Developer

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SKILLS

Languages - JavaScript, HTML, CSS, Python
Libraries and Frameworks - React, Node.js, Express.js, Django, Bootstrap, Material UI, Tailwind CSS
Database - Experience with non-relational and relational database systems: PostgreSQL, MongoDB Atlas, MongoDB, Mongoose, AWS
Other - RESTful APIs, JSON, Jira, Agile Development, Figma, Git, GitHub, Fetch, Axios, Ajax, Microsoft Office, VBA

PROFESSIONAL EXPERIENCE

Code the Dream, Software Engineer Mentor   **04/2023 - Present**
- I conducted diligent oversight on 2 teams; each composed of front-end and back-end engineers, through an 8-week Agile development cycle.
- I organized stand-up and stand-down meetings to increase productivity, focus, and increase team synergy.
- I was available to answer any technical questions that the team had, leading to efficient code, use of algorithms, and API calls: increasing efficiency of code by upwards of 100%.
- I ensured the adherence to UX principles to allow for intuitive UI.
- I helped over 100 students throughout multiple curricula ranging from introductory programming to large, full-stack projects: mainly with MongoDB/Mongoose, Express, React, and Node; some with Django/Python and PostgresQL.
- I oversaw unit testing through Mocha and Chai to ensure the code's efficiency in isolation and part of a greater whole.
- Continuous integration was followed throughout the development of the projects.
- Managed multiple team's GutHubs and usage of Git to allow version control and branching and minimize merge conflicts.

General Assembly: UI/UX Engineer-Software Engineer Collabathon, Software Engineer   **02/2023 - Present**
- Developed and designed a full-stack MERN, social application utilizing React.js on the front end and Express.js and database management with MongoDB on the back end.
- Cross-collaborative deliberation in the product planning phase of converting a problem to code and discussing our logic.
- Application is designed to solve the pain point of a food bank's difficulty in providing food to those in need by engineering a b-to-b platform where organizations can seamlessly communicate with businesses with excess food looking to donate.
- Collaborated with a cross-functional team consisting of UX Engineers and Software Engineers.
- After having conducted client interviews, we drew up user stories and personas to engineer an optimal user experience based on client feedback.
- My team and I designed the application with pure CSS, Bootstrap, and Tailwind.
- System designed utilizing client requirements and components built based on the research.
- Worked under Agile Methodologies.
- Utilized production management tools Figma and Jira.

General Assembly: Agile Software Development Hackathon, Software Engineer   **01/2023 - 03/2023**
- Collaborating with a large, cross-functional team consisting of software engineers, UX engineers, and industry experts from StitchFix and Accenture.
- Used Agile methodology to work in 6, weeklong sprints, prioritizing user stories each week curated from user research conducted by our UX designers, with daily standups, and closing with feedback in weekly retros.
- Utilizing production management tools: LucidChart, Figma, and Jira.
- Conducted extensive user research over nearly 20 interviews to determine pain points of clients and how to best remedy them and communicated these data through an affinity map and user stories.
- Designed our application with user experience as our first priority to deliver an intuitive UI.
- Utilized the full MERN stack: MongoDB/Mongoose, Express, React.Js, and Node.Js to develop the application.
- Communicated with Auth0 API for user login/signup.

What-If Syndicate, Lead Server | Scottsdale, AZ   **01/2022 - 09/2022**
- Engineered a scalable training module utilized throughout the company's open.
- Implemented strategies to increase food and beverage sales by upwards of 30%.
- Optimized workflow which led to our team breaking a company-record profit margin of $88k in a single weekend.
- Established company relations with neighboring businesses and new stakeholders leading to thousands in sales and an increase in private clientele by upwards of 100%.

SOFTWARE DEVELOPMENT PROJECTS   09/2022 - Present
Not-Shein
- Developed and designed a full-stack MERN, ecommerce application utilizing React.js on the front end and Express.js on the back end.
- Deliberation in creating a user-friendly experience for client-side interactions for this user-facing application.
- Designed elegant, responsive UIs that provide a satisfying user experience.
- Implemented databases with MongoDB, Mongoose and MongoDB Atlas.
- Researched intensively to create a comprehensive database unique to my project.
- Styled the application using Styled-Components, Bootstrap, and CSS3 with flexbox layouts.
- Deployed the application with Heroku.

SomeTrails
- Collaborated to create a full-stack web application utilizing Python and Django.
- We utilized a SQL database to serialize our larger API calls consisting of over 1000 objects to best suit our application.
- Implemented databases with Postgresql and Amazon Web Services (AWS).
- Managed the GitHub Repository.
- Made API fetch calls to retrieve rich data from over 275 National Parks.
- Created application with a mobile-first approach and oversaw styling the application using Styled-Components, Materialize, and CSS3 with flexbox layouts.
- Deployed the application with Heroku.

The Quintessential Hiking Guide
- Created a full-stack web application from the ground up.
- Made RESTful routes with Express, MongoDB, and Node.js on the backend handling all create, read, update, delete (CRUD) operations.
- Set up authorization and authentication for user-centric CRUD operations with Google OAuth.
- Utilized the GitHub API.
- Used Mongoose to define schemas for MongoDB collections.
- Implemented ES6 tagged template literals with Styled-Components, Bootstrap, and CSS3 to provide style and flex layout of the application.

EDUCATION
GENERAL ASSEMBLY | REMOTE

Software Engineering Immersive Bootcamp   **09/2022 - 12/2022**
Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects

ARIZONA STATE UNIVERSITY | LANSING COMMUNITY COLLEGE | MI/AZ   **08/2016 - 12/2020**
64 credits completed in honors while studying political science and computer science.