# Chase Allman-Knieper

Software Engineer || Full-Stack Developer

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## SKILLS

**Languages** - JavaScript, HTML, XML, CSS, Python, Java

**Libraries and Frameworks** - React, Node.js, Express.js, Django, Bootstrap, Material UI, Tailwind CSS

**Database** - Non-relational and relational database systems RDBMS: PostgreSQL, MySQL, MongoDB, Mongoose, AWS

**Testing** - Test-Driven Development, unit and integration: Jest, Supertest, Mocha, Chai

**Other** - RESTful APIs, JSON, JSON Web Token, Jira, Agile Development, Figma, Git, GitHub, Fetch, Axios, Ajax, Microsoft Office/Excel, VBA, Linux, ESLint, CI/CD

## PROFESSIONAL EXPERIENCE

**Code the Dream**, Software Engineer Mentor                                    **02/2023 - Present**

- Oversee 2 SCRUM teams of engineers in 8-week Agile cycles.
- Organize stand-up and stand-down meetings to increase productivity, focus, and increase team synergy.
- Provide technical support to the team, resulting in significant code efficiency improvements of over 100% through optimized algorithms and API utilization.
- Support 100+ students in various curricula, including introductory programming, full-stack projects (with a focus on MongoDB/Mongoose, Express, React, and Node), and some Django/Python and PostgreSQL projects.
- Conduct unit testing through Jest, Mocha, and Chai to ensure the code's efficiency in isolation and part of a greater whole.
- CI/CD were followed throughout the development of the projects.
- Managed multiple team's GutHubs and usage of Git and Linux for version control.

**General Assembly,** Software Engineer | Hackathon Team Lead / Judge                **01/2023 - Present**

- Built multiple full-stack MERN applications using React.js for the front-end, Node.js and Express.js for the back-end, and MongoDB for remote dynamic user-data management.
- Selected to serve as Software Engineering judge on a panel of judges.
- Evaluated hackathon presentations delivered by 6 teams.
- Communicate our research through affinity mapping, user personas, and user stories for an optimal user experience.
- Design applications using pure CSS, Bootstrap, and Tailwind.
- Collaborate with large, cross-functional SCRUM teams consisting of software engineers, UX engineers, and industry experts from StitchFix and Accenture.
- Implement Agile methodology with 6 weeklong sprints, prioritizing user stories derived from UX designers' research.
- Manage production through LucidChart, Figma, and Jira.
- Perform thorough user research through nearly 20 interviews to identify client pain points and devised effective remedies.
- Utilize third-party APIs, such as Auth0, Google Firebase, Google Maps, and RapidAPI, to optimize the software development life cycle and enhance user experience.

**What-If Syndicate**, Lead Server | Scottsdale, AZ                              **10/2020 - 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 full-stack MERN application using React.js for the front-end, Node.js and Express.js for the back-end, and MongoDB for remote dynamic user-data management.
- 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.
- Styled the application using Styled-Components, Bootstrap, and CSS3 with flexbox layouts.
- Deployed the application with Heroku.
- Included authorization and authentication via JSON web token.

**SomeTrails**
- Collaborated to create a full-stack web application utilizing Python and Django.
- Utilized a SQL database to serialize our larger API calls consisting of over 1000 JSON objects to best suit our application.
- Implemented databases with Postgresql and Amazon Web Services (AWS) S3.
- 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 Material UI and CSS3 with flexbox layouts.
- Deployed the application with Heroku.

**The Quintessential Hiking Guide**
- Created a full-stack web application using MongoDB, Express, and Node.js.
- Programmed RESTful APIs.
- Set up authorization and authentication for user-centric CRUD operations with Google OAuth.
- Utilized third-party 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.*