

Kavan Samra

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EDUCATION

University of California, Santa Cruz

Bachelor of Science in Computer Science

Santa Cruz, CA

December 2019

EXPERIENCE

Software Engineer

December 2020 – June 2023

Abby Connect

Las Vegas, NV

- Successfully led the re-write and migration of a legacy code base to Salesforce Cloud, drastically improving system up-time and overall performance
- Planned, designed and developed a Zapier app, allowing customers the seamless integration of their data with third-party services, enhancing the flexibility and functionality of our product ecosystem
- Developed a payment system utilizing Authorize.net allowing for operations such as automatic re-billing, refunding, and one time payments
- Contributed insights and technical expertise in product development meetings to inform decision-making processes and optimize product development strategies
- Implemented Salesforce-recommended best practices for application security and fine-grained API access controls to restrict operations to authorized data types, ensuring data integrity and minimizing the risk of unauthorized modifications
- Wrote test code to ensure functionality of new features and managed the deployments of new code to ensure smooth transitions with minimal issues
- Improved SQL database queries and controller logic leading to a 2x increase in performance on a commonly used, key internal feature

PROJECTS

Share Yourself Artists | *Javascript, React, Node, AWS*

- A web application for artists to share their artwork and host their portfolio
- Developed RESTful API's hosted on a distributed, serverless architecture via AWS Lambda
- Modeled data schemas in a NoSQL datastore to accelerate API response time and reduce costs
- Implemented and scheduled CRON jobs to support business logic such as refunding payments and ranking trending users/posts on a recurring basis
- Secured API and database access by implementing user authentication via AWS Cognito and JWT

Pokédex | *Javascript, React, Node, MongoDB, GraphQL*

- Web app providing quick access to information and stats on all generation of Pokémon
- Developed a Node.js GraphQL API allowing for quick, dynamic queries with pagination support
- Designed modular, styled components using React and modern CSS including flexbox and grids
- Implemented front-end caching to reduce the number of server requests and data bandwidth
- Performed data scraping and cleaning to build a complete dataset which was then stored in a cloud distributed database using MongoDB Atlas

Startup Analysis | *Python, Pandas, NumPy, Bokeh, HTML*

- Data Analysis and Visualization project using data provided by crunchbase.com
- Performed numerical analysis on large datasets to quantify trends using Pandas and NumPy
- Constructed interactive plots and diagrams using the Python plotting library Bokeh
- Processed, cleaned, and combined data sets to prepare for further analysis

TECHNICAL SKILLS

Languages: Javascript, Apex, C/C++, Python, C#, HTML/CSS, Rust (learning)

Libraries/Frameworks: Node.js, Gatsby.js, Sass, GraphQL, React.js, Pandas

Developer Tools: Salesforce Cloud, Git, VS Code, Vim