Andrew Swe

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EXPERIENCE

Software Engineer

StayNTouch   November 2018 – Present
- Implemented and maintained key API's utilized by numerous vendors and 3rd parties
- Gathered and manipulated data to generate and export reports for 3rd parties
- Migrated key integrations to a sub-service, handling data transfers through RPCs and keeping latencies minimal and optimizing database queries
- Took ownership of key webhook service for subscribing to/receiving notifications for system events
- Worked in conjunction with team to deliver quarterly goals of extending test coverage each quarter

Mechanical Engineer

Bradshaw Construction Corp.   March 2017 – March 2018
- Performed finite element method, force analysis, and stress/fatigue analysis
- Utilized both AutoCAD and SolidWorks to create technical drawings, perform finite element analysis, and create virtual prototypes of designs
- Researched and designed mechanical/electrical systems, structures, and fixtures

Mechanical Engineer Co-op

Precision Castparts Corp.   January 2017 - March 2017
- Performed analysis, testing, and documentation for existing parts/processes as well as those in development
- Worked alongside management and engineering teams to reduce bottlenecks in processes

PROJECTS

CouchPotato (**Ruby on Rails, JavaScript, React/Redux, PostgreSQL, Webpack, HTML/CSS**)
- CouchSurfing inspired application, applies MVC architecture to construct the server-side REST API
- Employs Redux architecture on the front end for complex state management and data flow
- Utilizes React to build modular frontend components to make calls to the server to allow for CRUD functionality

NewsFeed (**JavaScript, TypeScript, MongoDB, Express.js, Angular, Node.js**)
- Web app utilizing Express + Node.js to construct server side API
- Implemented search functionality that detects partial matches across multiple fields in the MongoDB database, tested with Jasmine and Karma

VenNews (**JavaScript, GraphQL, Express.js, React.js, Node.js**)
- Singe page web application with CRUD functionality for showcasing venues and reviews
- Utilizes modular React components to create a slick and intuitive user interface
- Incorporated Apollo Client along with GraphQL for querying and appending to the database

SKILLS

Programming Languages: JavaScript, Ruby, Python, C/C++

Frameworks/Technologies: Rails, Node.js, React.js, Angular.js, RabbitMQ, Sneakers, God, SQL, RSpec, Minitest, Git, AWS, Jenkins

EDUCATION

Mechanical Engineering, B.S

West Virginia University   Graduated 2016

Software Engineering

App Academy - 1000+ hour full-stack software engineering course with a <3% acceptance rate   2018