

Mark King

Full Stack Developer

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Skills

Frontend

JavaScript, React, React Native, Redux, HTML, CSS/LESS/SASS, Accessibility, Responsive design

Backend

REST, SQL, GraphQL, Node.js, Python, AWS

Source Control

Git, SCRUM/Agile methodologies, Continuous integration

Other

Automated testing, Windows, Linux

Certifications/Achievements

AWS Certified Solutions Architect – Associate, AWS Certified Cloud Practitioner, Achieved "Best Overall" in Lambda School's 2020 Winter Hackathon out of 200+ participants.

Projects

Community Calendar, Help communities organize and find events

- Developed a full stack application over an 8 week period on a cross-functional team that included web developers, native Android/iOS developers, and a UX designer.
- Developed a Node.js Apollo/GraphQL API backend with resolvers for CRUD functionality of user/event data.
- Designed all PostgreSQL database schema for users, events, locations, organizations, and neighborhoods.
- Implemented server-side searching through a single resolver; allowing users to filter events within a certain radius of their GPS coordinates, date range, by keywords, tags, and price utilizing a Porter Stemming algorithm and Turf.js.
- Integrated Auth0 for authentication/single sign on capabilities; allowing users to login/register with email or Google/Facebook.
- Developed frontend web application using React, Webpack, SASS, and Apollo Client for precise state management and caching.

The Legend of Fnu, Multiplayer online dungeon exploration game.

- Developed Android/iOS mobile applications using React Native, Expo, and styled-components.
- Developed a Python/Django API backend utilizing Django authentication and PostgreSQL for data persistence.
- Utilized web sockets for live chat and player movement.
- Developed an algorithm to generate the game world with any specified amount of rooms and randomly connect them together.

Dev Desk, Open tickets to ask questions related to programming.

- Developed a REST API using Node.js, Express, and PostgreSQL.
- Designed PostgreSQL database schema/migrations for users, tickets, and comments/replies.
- Utilized JSON Web Tokens for authentication and bcrypt to hash user passwords.
- Implemented endpoints allowing users to upload images/videos with express-fileupload and Cloudinary.
- Integrated Slack API to create a bot that allows users to easily see, open, and answer tickets from Slack.

Ride For Life, An "Uber-like" application providing rides to healthcare facilities.

- Designed/developed a fully responsive React web application using styled-components.
- Utilized Redux to centralize state management.
- Fetched data and authenticated with Node.js/Express.js API.

Portfolio, My portfolio website with more information about me and projects I've worked on.

- Built using GatsbyJS
- Deployed on AWS utilizing S3, CloudFront, and Route53.
- Contact form utilizes Lambda, API Gateway, and SES.
- Continuous integration with GitHub actions.

Professional Experience

SK Contractors, Construction/Project Management

2013 – 2019 | Jacksonville, FL

- Developed customer facing website to showcase company projects using WordPress.
- Installed structural steel/truss roofing systems on 30+ commercial projects.
- Read blueprints, met with project managers/superintendents, and documented change orders.

Education

Lambda School, Full Stack Web Development/Computer Science

2019 – 2020 | Remote

- 9 month immersive, collaborative, and hands on software engineering academy.
- Programming: Object-oriented programming, design patterns, debugging.
- Data Structures and Algorithm analysis: Big O, Recursion, Sorting, Searching, Lists, Stacks/Queues, Hashing, Trees, Graphs.

University of Florida, Completed courses towards BS Computer Science, 4.0

2018 – 2018 | Gainesville, Florida

- Java, linear algebra, discrete mathematics

Florida State College at Jacksonville, Associates of Arts, 4.0

2016 – 2017 | Jacksonville, Florida

- Calculus 2/3, differential equations, C/C++ programming.