Mark P. King, II
Full Stack Developer

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Self-sufficient and highly adaptable full stack engineer with a passion for developing fast and scalable web applications.

🧠 Skills

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

Backend
REST, SQL, MongoDB, GraphQL, Apollo, Node.js, Python, Amazon Web Services

Source Control
Git, SCRUM/Agile methodologies, Continuous integration

Other
Automated testing, Windows, Linux

🎖 Certifications and Achievments

- AWS Certified Solutions Architect – Associate | Issued: May 2020 | Expires: May 2023
- AWS Certified Cloud Practitioner | Issued: May 2020 | Expires: May 2023
- Teamed up with 7 developers to achieve "Best Overall" in Lambda School's 2020 Winter Hackathon out of 200+ participants.

📑 Projects

Community Calendar, *Help create and organize incredible neighborhood and community spaces through meaningful shared events.* 🔗
- Developed a full stack application and collaborated on a cross-functional team that included 5 web developers, 4 native mobile developers, and 1 UX designer.
- Communicated remotely using Slack/Zoom and attended daily stand-up meetings to talk about daily project goals, features, and blockers.
- Deployed a Node.js Apollo GraphQL backend on Heroku with 14 resolvers for CRUD functionality to minimize redundancy of data fetched through API calls.
- Designed PostgreSQL database schema for users, events, locations, organizations, and neighborhoods with Prisma.
- Implemented server-side searching through 1 query resolver; allowing users to filter events by GPS proximity, date range, keywords, tags, and price utilizing a Porter Stemming algorithm and Turf.js.
- Integrated Auth0 for single sign on capabilities; granting users the ability to login/register with Google, Facebook, and email.
- 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.* 🔗
- Led a team with 2 other developers to produce an Android and iOS mobile application using React Native.
- Developed a Python Django API backend utilizing REST architectural patterns, Django authentication, and PostgreSQL for game state and data persistence,
- Implemented Pusher and web sockets for live chat and player movement.
- Designed an algorithm to randomly generate and connect any specified amount of rooms in the game world.

Dev Desk, *Open tickets to ask questions related to programming.* 🔗
- Produced a REST API with 40+ endpoints using Node.js, Express.js, and PostgreSQL, and modeled database schema/migrations using Knex.js for users, tickets, comments, and replies.
- Combined JSON Web Tokens and Bcrypt to authenticate users and hash passwords.
- Defined endpoints allowing users to simultaneously 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.* 🔗
- Built a React web application using Redux and Thunk middleware to centralize and simplify state management with 30+ reducers.
- Sent and retrieved data, and authenticated with Node.js/Express.js API using Axios.
- Incorporated JSON Web Tokens and local storage to store encrypted user information on the client-side.

Portfolio, *Portfolio website with more information about previous projects.* 🔗
- Built using GatsbyJS and deployed on AWS with S3, CloudFront, and Route53.
- Applied AWS Lambda, API Gateway, SES, and Google reCAPTCHA to block spam and send email messages through a contact form.
- Integrated AWS SDK and GitHub actions to streamline continuous integration and deployment.

💼 Professional Experience

SK Contractors, *Project Manager - Commercial Construction* 🔗   2014 – 2019 | Jacksonville, FL
- Created a customer facing website to showcase company projects using WordPress.
- Installed structural steel/truss roofing systems on 30+ commercial projects with diverse teams.
- Coordinated with engineers, architects, and project mangers to ensure a timely completion of projects within scope and budget.

🎓 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 *GPA*   2018 – 2018 | Gainesville, Florida

Florida State College at Jacksonville, *Associates of Arts*; *With highest honor*   2016 – 2017 | Jacksonville, Florida