

Mark P. King, II

Software Engineer

📧 <https://mark.codes> 📞 (757)-202-5988 ✉ markpking2@gmail.com 🌐 [markpkng](#) [in markpking](#) 📍 Palm Coast, FL

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

🧠 Skills

Frontend

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

Backend

Node.js, Express, APIs, REST, SQL, MongoDB, GraphQL, Apollo, Python, JSON Web Tokens, OAuth

Cloud

Heroku, Amazon Web Services: Lambda, Elastic Beanstalk, EC2, RDS, S3, CloudFront, Cognito, Amplify

Other

Git, Jest, SCRUM/Agile methodologies, Continuous integration, Automated testing, Windows, Linux, Bash scripting

🏆 Certifications and Achievements

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

📁 Professional Experience

Freelance Software Engineer

04/2020 – present

Notable clients: SurvivorPlan, Quackhire

- Developed data processing services using Node.js, Express, MySQL, and AWS for electronic health record systems.
- Deployed and managed Node.js Express API, PostgreSQL database, and React frontend on Amazon Web Services with Elastic Beanstalk, RDS, and Amplify.
- Integrated authentication flow using Amazon Cognito and serverless Lambda functions.

SK Contractors, Project Manager - Commercial Construction

2014 – 2019 | Jacksonville, FL

- Created a customer facing website to showcase company projects using WordPress.
- Managed 30+ commercial projects with diverse teams involving structural steel and truss roofing systems.
- Coordinated with engineers, architects, and project managers to ensure a timely completion of projects within scope and budget.

📁 Projects

Community Calendar, Help create and organize incredible neighborhood and community spaces through meaningful shared events. 🌐

- Developed a full stack application for Detroit's Historic North End Alliance on a cross-functional team that included 4 other web developers, 4 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.

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.

🎓 Education

Lambda School, Full Stack Web Development/Computer Science 🌐

2019 – 2020 | Remote

- 9 month immersive, collaborative, and hands on full stack web development and computer science program.
- 2000+ hours spent using JavaScript, HTML, CSS, Python, Django, React, Node.js, Express, SQL, and GraphQL, automated testing, data structures, and algorithms.
- Gained extensive experience working on cross functional teams and used agile methodologies and Git workflow on all projects.

University of Florida, 85 credits completed 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