NICHOLAS KEMPKES

Software Engineer

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SUMMARY

Highly motivated software engineer with expertise in full-stack software applications development using JavaScript, React, Node.js, Express.js, SQL, NoSQL, and AWS. In addition to my technical skills, I hold a Bachelor's degree in Technical Management: Project Management and am currently pursuing a second Bachelor's degree in Information Technology: Programming with a focus on programming languages and software development. With experience as an Air Force veteran and former Geospatial Intelligence analyst, I possess strong analytical and problem-solving skills. I am dedicated to creating efficient and user-friendly software solutions that meet business needs.

EDUCATION —

American Public University
Credit Hours: 91 / 121
B.S. Information Technology: Programming
Galvanize: Hack Reactor
August 2022
Certificate: Advanced Software Engineering
American Public University
January 2019
GPA 3.7478
B.A.S. Technical Management: Project Management

PROF. DEV. —

LinkedIn Learn | React: Building Progressive Web Apps (PWAs), End-to-End Testing with Jest, REST APIs, Learning Vue.js, React.js Code Challenges

KEY SKILLS —

Front End | *JavaScript (ES5 and ES6), React.js, HTML, CSS, Redux, JQuery, JSON*
Backend | *Node.js, Express, MongoDB, Mongoose, MySQL, RESTful API Development, PostgreSQL*
Testing / Deployment | *Jest, Mocha, Chai, AWS: EC2 / RDS / S3, K6, Loader.io*
Developer Tools | *Git, npm, Webpack, Babel, Agile Methodology, Scrum, TDD, PGadmin, Postman, Google API*
Languages in Progress | *Java, Typescript*

EXPERIENCE

December 2022
Freelance • Full Stack Developer • www.wagsandwalkies.dog
Pet care services website including contact component, gallery, and customer testimonials. Utilized CSS animations and SVG elements to create visually appealing and modern design elements, such as waves and other design flourishes.

August 2022 – December 2022
Software Engineering Immersive Resident • Full Stack Engineer • Galvanize: Hack Reactor
Mentored 308 students on full stack development with React/Node,js. Aided students with troubleshooting/debugging and contributed to performance reports for student progress. Built strong relationships with students that extended beyond contracted employment.

August 2022
Full Stack Engineer • Personal Project: Job Searching Application
Implemented Google services to include Calendar and Geocoding APIs along with PostgreSQL Geo-extensions for advanced calendar and location-based features. Assisted in development of multi-page React application utilizing routing options for different account types.

July 2022
Software Engineer • Personal Project: E-commerce API Restructuring / Optimization
Scalable RESTful API built with Express.js and PostgreSQL designed to replace existing poor performing API and retain data shape to existing front end application. Utilized optimization techniques to improve performance and reduce server load, resulting in a capacity of 1,800 requests per second on single deployed instance exceeding client requirements.

June 2019 – August 2021
Professional Driver • Boyle Transportation • Billerica, MA

April 2017 – January 2019
Electronics Associate • Wal-Mart • Ash Flat, AR

January 2011 – October 2016
Geospatial Analyst • U.S. Air Force