

Kiefer Ragay Software Engineer

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TECHNICAL SKILLS

Front End: JavaScript, NodeJS, React/Redux, Mocha/Chai, HTML5/CSS3, jQuery, Babel, Webpack, Styled Components

Back End: MySQL, MongoDB, Docker, PostgreSQL, Amazon Web Services (EC2, S3), New Relic, Loader.io, K6, Redis

Certifications: CompTIA Security+, CompTIA Network+

PROJECTS

PlateThis

Full-Stack Restaurant Reservation App: Reservation Calendar

- Architected a custom Express server that served up static assets using GZIP text compression, reducing initial page load time by 50% to 1.2 seconds and improving user experience
- Deployed as a microservice to AWS using Docker to enable ease of collaboration and product shipping
- Created custom JavaScript library similar to moment.js to generate calendars and unique ids, enabling simplification of React state management & DOM element tagging and greater control over date formats

BlockBuyer

Full-Stack Toy Product Display App: Image Gallery

- Optimized and compared MongoDB and PostgreSQL databases to determine project “best-fit.” Reduced product read time in MongoDB to 1.2ms per query through building efficient aggregation methods using the MongoDB driver
- Designed and scaled backend to handle 1100 RPS with 10M records of product data by deploying one MongoDB server and one Node/Express server with Redis caching on separate AWS t2.micro instances
- Identified system bottlenecks using K6, Loader.io, and New Relic to prioritize high ROI optimizations

EXPERIENCE

Director of Information Technology, U.S. Army – Fort Drum, New York 2018 – 2019

Oversaw implementation of IT services and communication infrastructure for a 600-person organization.

- Collaborated with 4 department directors and 5 organizational leaders to plan and maintain IT and communication infrastructure in support of 3 training exercises attended by 3,500 personnel.

Information Technology Operations Manager, U.S. Army – Baumholder, Germany 2014 – 2018

Led 44-person customer service team that provided IT and communications support for 1,600 personnel.

- Managed technology at up to 18 locations in 6 countries and maintained up to 99.9% availability rate of internet services by effectively prioritizing customer requests.

EDUCATION

Hack Reactor, Advanced Software Engineering Immersive – San Francisco, California 2020

United States Military Academy, B.S. Electrical Engineering – West Point, New York 2010 – 2014

Relevant Coursework: Fundamentals of CS, Intro to IT (HTML/CSS), Cyber Security, Digital Computer Logic

PERSONAL

- Bodyweight & Barbell Strength Training, Airbnb Hosting
- Conducted 3-month solo cultural immersion trip in Medellín, Colombia to study Spanish and Salsa Dancing