Nathan Koike

📞 (+1) 808-381-6823 | ✉ nathan.koike.dev@gmail.com | ⌥ nathankoike | in nate-koike

Intro

Born and raised in Honolulu, Hawaii, an experienced engineer with a relentless passion for technology, innovation, and delivering exceptional results. A collaborative leader and mentor who values inclusivity, continuous learning, and fostering a supportive team environment. Equipped with a diverse skillset encompassing various disciplines such as audio engineering, welding, and theatrical performance, offering a unique perspective and adaptability to tackle complex challenges. Committed to driving forward-thinking solutions and leveraging cutting-edge technologies to achieve success.

Technical Skills

Programming Languages	3-5 Years: Java, JavaScript, Python, TypeScript, C++, MySQL 1-3 Years: C#, Go (Golang), Haskell, Rust, Ruby
Software/Framework/Libraries	React.js, Angular, HTML, CSS, Amazon Web Services (AWS), Google Cloud Platform (GCP), MongoDB, NodeJS/Express, ServiceNow, Tensorflow, Dialogflow ES/CX, Salesforce

Technical Experience

Systems Developer & Analyst — *May 2022 - Present*
eWorld Enterprise Solutions — Honolulu, HI

- Successfully migrated over 1,200,000 tickets, each containing multiple data points, across cloud computing platforms using an original Python script while maintaining over 99.9% data retention, ensuring seamless continuity of data and operations.
- Constructed and managed over 100 internal and customer-facing reports to analyze and visualize data across multiple projects for a holistic view of platform, project, and team performance.
- Led development efforts on stable and highly available microservice projects using GCP and AWS, ensuring uptime of over 99% and delivering reliable solutions to meet customer needs.
- Developed performant and scalable microservices-based web services and processes to support a large user base of over 1,000 concurrent users, optimizing system performance and responsiveness for customer and user experience.

Full Stack Developer — *August 2021 - May 2022*
DigiTo, LLC — Remote

- Founding developer, designed a dynamic tech stack for 18 unique and flexible web pages.
- Developed a modular and asynchronous frontend using React.js, enhancing the user experience.
- Architected and implemented a scalable backend with MongoDB and Express, optimizing database performance and reducing data storage per user by up to 40%.
- Improved system efficiency by implementing a database caching algorithm, resulting in a 62.3% reduction in external API calls and enhancing overall performance.

Backend Engineer Intern — *June 2020 - August 2020*
DataHouse US — Honolulu, HI

- Developed custom Python code to interface with barcode scanners, effectively cataloging mission-critical equipment valued at over $25,000, streamlining inventory management processes.
- Architected a scalable backend server to support over 3,000 concurrent users seeking unemployment relief, ensuring a smooth user experience and efficient processing of requests.
- Demonstrated problem-solving skills and commitment to public health by deploying and configuring more than 30 cameras in airports to combat the spread of COVID-19, contributing to enhanced safety measures.

Education

Hamilton College — *Clinton, NY*
Bachelor of Arts in Computer Science and Asian Studies