

Nathan Koike

✉ nkoike1998@gmail.com | 🌐 nathankoike | 📷 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 unique perspectives 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: Python, JavaScript, Java, MySQL 1-3 Years: TypeScript, C++, Ruby, Go (Golang), Rust, C#, Haskell, Clojure, 16-bit MASM
Software/Framework/Libraries	NodeJS/Express, React, Solid.js, Angular, HTML, CSS, Tailwind, GCP, AWS, MongoDB, GitHub, Confluence, Jira, ServiceNow, PyQt, Tensorflow, Dialogflow ES/CX, Salesforce, WildFly, L ^A T _E X
Natural Languages	English (Native), Japanese (Intermediate-Mid)

Technical Experience

Software Developer

May 2022 - Present

eWorld Enterprise Solutions

Honolulu, HI

- Developed Java and NodeJS backend webservices for [Google award-winning project](#) to support over 1,000 concurrent users, reducing latency and optimizing system performance by minimizing external queries and streamlining execution.
- Optimized backend and database processing and performance for low latency access of personally identifiable information, ensuring user privacy, long-term user data security, and seamless real-time communication with users.
- Led development on stable and highly available low-code and asynchronous JavaScript microservice projects using GCP and AWS, maintaining an uptime of over 99% and delivering robust, reliable solutions to meet customer needs.
- Migrated and transformed 1.2M+ detailed and data-secured customer support tickets across cloud platforms using custom Python scripts for NoSQL database-like storage, achieving 99.9% data retention and ensuring uninterrupted operations.
- Designed and executed proprietary data transformation algorithms, slashing developer time for metadata manipulation, directory merge conflict resolution, data migrations, and large data transformations by up to 84% per project.
- Guided research into key performance indicators and advanced analytics of AI-driven cloud solutions, standardizing processes and sharing critical insight into data and data interpretation.
- Spearheaded research of a new CRM/ticketing platform with rapid prototyping and testing, delegating development tasks and responsibilities among the team, assessing potential value, and sharing salient analysis with stakeholders.

Full Stack Developer

August 2021 - May 2022

DigiTo, LLC

Remote

- Founding developer, established a dynamic and responsive tech stack for 18 unique and flexible web pages.
- Designed and implemented a NodeJS backend with a NoSQL database, optimizing database performance and reducing data storage per user by up to 38%.
- Developed a modular and asynchronous frontend using React, enhancing the user experience.

Backend Engineer Intern

June 2020 - August 2020

DataHouse US

Honolulu, HI

- Implemented microservice-based backend to support over 3,000 concurrent users, optimizing for runtime efficiency.
- Developed custom code interface for USB scanners, improving and streamlining inventory management processes.

Education

Hamilton College

Clinton, NY

Bachelor of Arts in Computer Science and Asian Studies