Nathan Koike

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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: Python, JavaScript, Java, TypeScript, MySQL, C++
	1-3 Years: C#, Go (Golang), Clojure, 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, WildFly
Natural Languages	English (Native), Japanese (Limited Working Proficiency)

Technical Experience

Senior Developer & Tech Lead   *May 2022 - Present*
eWorld Enterprise Solutions   Honolulu, HI

- Developed Java webservices for Google award-winning project to support over 1,000 concurrent users, achieving optimal system performance by minimizing external database queries and streamlining code execution.
- Led development efforts on stable and highly available low-code and JavaScript microservice projects using GCP and AWS, ensuring uptime of over 99% and delivering reliable solutions to meet customer needs.
- Architected original Python developer tools to selectively combine different metadata and configuration files into one cohesive and error-free directory structure, ultimately reducing development time by up to 36% per developer.
- Guided research into key performance indicators and advanced analytics of AI-driven cloud solutions for government call centers, standardizing processes and sharing critical insight into data and data interpretation.
- Migrated 1.2M+ detailed customer support tickets across cloud platforms using custom scripts, achieving 99.9% data retention and ensuring uninterrupted operations.
- Delegated responsibilities, prioritizing tasks and people to exceed development goals within given timelines.
- Constructed over 200 reports, providing holistic data analysis and visualization across projects, teams, and platforms.
- Designed and executed a Python-based data transformation algorithm, slashing developer time for data migrations and transformations by up to 84% per project.

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 scalable backend with a NoSQL database and Express backend, optimizing database performance and reducing data storage per user by up to 38%.
- Developed a modular and asynchronous frontend using React.js, 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