

Ken Nguyen

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Professional Summary

Full-stack SaaS developer with a background in web, iOS, and Android development. Proven experience developing software in a large codebase as a flight software engineer.

Skills & Technologies

React, C/C++, TypeScript, JavaScript, Python, iOS/Swift, Node.js, MongoDB, SQL, Axios, Express.js, REST APIs, Git, Linux, Bash, Figma, TailwindCSS, Tanstack, Agile

Work Experience

Northrop Grumman

Melbourne, FL, USA

Associate Software Engineer

October 2023 - Present

- Ownership over core component known as flight plan manager that handles message delegation, data processing, and state updates
- Developed and tested code that sequenced waypoints during a flight mission
- Enhanced internal python scripts that translated CSV fault equations to XML
- Designed a contingency plan for communication loss between subsystems
- Utilized Atlassian suite daily for design, development, testing, and code reviews
- Collaborated with senior engineers on system design and safe coding practices.

Education

University of California - San Diego

August 2022

Bachelor's, Computer Science

Personal Projects

League Nemesis

Sole Developer

- Built a React app to display the League Nemesis of a player for League of Legends
- Implemented a MongoDB database with a Mongoose schema for data management
- Developed server-side with Node.js and created API routes using Express.js
- Integrated Axios for client-server data fetching and Tanstack for frontend routing, tables, and querying
- Styled the application with TailwindCSS and ShadCN component library
- Design of UI using Figma with emphasis on mobile first paradigm
- Tracked analytics using PostHog

San Diego Zoo Navigation App

Developer

- Developed an Android navigation app allowing users to queue exhibits and create visitor routes
- Utilized Java and Android Studios for development, incorporating Google Maps API for user location and rerouting
- Led scrum meetings, coordinated agendas, and facilitated planning poker sessions

Portfolio

kennguyenportfolio.com