

Ken Nguyen

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Professional Summary

I am a flight software engineer working on a data & displays team. I have an interest rooted in SaaS development and have a background in web, iOS, and Android development.

Skills & Technologies

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

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 to adapters, 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 an XML format
- Designed a contingency plan for loss of communication between multiple subsystems
- Daily usage of Atlassian suite (Jira, Bitbucket, Confluence, Bamboo, Fisheye) for design, development, testing, and code reviews

Education

University of California - San Diego

August 2022

Bachelor's, Computer Science

Personal Projects

League Nemesis

Sole Developer

- React app displaying a user's worst matchups in the game League of Legends
- Data stored with Mongo Atlas with a Mongoose schema
- Server-side development using Node.js with Express.js for server API creation
- Axios used for client-server data fetching and Tanstack for frontend routing, tables, and querying
- Styled with TailwindCSS and ShadCN component library
- Design of UI using Figma with emphasis on mobile first paradigm
- Tracking of 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

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