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, and am keen on transitioning into a full-stack web or mobile developer.

Skills

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

Work Experience

Northrop Grumman   **Melbourne, FL, USA**
Associate Software Engineer   *October 2023 - Present*

- Ownership over core component known as flight plan manager, functionalities include: delegation of incoming messages to various adapter classes, processing of data and updating of internal states, responding to various other subsystems
- Created and tested code that sequenced waypoints during a flight mission
- Modified internal python scripts that translated CSV fault equations to XML to then be translated to NDO C++ classes
- Spearheaded design story for a contingency plan in the event of a loss of communications between two vehicle subsystems
- Daily usage of Atlassian suite (Jira, Bitbucket, Confluence, Bamboo, Fisheye) for design, development, testing, and review of code
- Regularly mentored by chief software architect and 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

- React app displaying the League Nemesis of a player for the game League of Legends
- Development broken up into LN1.0 and 2.0, where 2.0 will leverage LLMs to offer granular tips to users
- Database self hosted using MongoDB with a Mongoose schema
- Node.js used for server side development
- Express.js used as a backend framework to create API routes
- Axios used for fetching data in client from server
- Tanstack used for frontend page routing, tables, and querying
- Tailwind used for styling with ShadCN as a supplemental component library
- PostHog used for analytics

San Diego Zoo Navigation App
Developer

- Android navigation app for the San Diego Zoo
- Allows users to add exhibits to a queue then creates a route for visitors to follow
- Development was done in Java using Android Studios
- Makes use of Google Maps API to pinpoint user location for the purposes of rerouting
- Took charge of scrums by coordinating meetings, setting up agendas, and facilitating planning poker

Portfolio

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