Ken Nguyen

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Summary

I am currently a flight software engineer working on a data & displays team. I however 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.

Education

University of California - San Diego   **August 2022**
Bachelor's, Computer Science

Professional Experience

Northrop Grumman   **Melbourne, FL, USA**
Associate Software Engineer   *October 2023 - Present*
- Implemented a core component known as the flight plan manager, of which some of the functionalities include: delegates incoming messages to various adapters, processes data and updates internal states, responds to various subsystems
- Implemented flight widget components which display fault messages to screen
- Modified internal python scripts that translated CSV fault equations to XML to then be translated to 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, and testing of product

C2 Education   **Torrance, CA, USA**
Computer Science Tutor   *December 2022 - April 2023*
- Guided students through the fundamentals of computer science
- Progressed into object-oriented programming and the 'why' behind data abstraction into classes

Projects

League Nemesis
Sole Developer
- React app displaying the League Nemesis of a player for the game League of Legends
- Storage of data using Mongoose & MongoDB
- Shieldbow.js used as a Riot Games API wrapper for simplified data fetching
- Node.js used for server side development
- Express.js used as a backend framework to create API routes
- Axios used for fetching data from server side
- Tanstack used for frontend page routing, tables, and querying
- Tailwind used for styling

San Diego Zoo Navigation App
Developer
- Android navigation app for the San Diego Zoo
- Development was done in Java using Android Studios
- Code blueprinted by S.O.L.I.D. software design principles
- Took charge of scrums by coordinating meetings, setting up agendas, and facilitating planning poker

Skills

React, Node.js, Express.js, MongoDB, REST APIs, iOS/Swift, Python, Git, JavaScript, C/C++, Figma, Tailwind

Portfolio

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