

Alexander Nair

Software Engineer

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Education

Texas A&M University | College Station, TX
Bachelor of Science in Computer Science
Minor in Cybersecurity
GPA: 3.63

Fall 2019 – May 2023

Relevant Coursework:

Discrete Structures, Data Structures & Algorithms, Operating Systems, Computer & Network Security, Machine Learning.

Work Experience

Dell – Round Rock, TX (Hybrid/ Remote)

July 2023 - Present

Software Engineer

- Spearheaded updates and migration of legacy web routes to modern frameworks (Angular and .NET), improving performance and maintainability across the 60 billion dollar e-commerce sales platform.
- Developed and integrated a seamless quote-sharing feature, enabling smooth transitions from sales to customer-facing portals.
- Participated in internal AI hackathons to prototype intelligent features that enhanced customer engagement and operational efficiency.
- Automated end-to-end testing workflows, significantly reducing regression bugs and accelerating release cycles.

Red Hat – Raleigh, NC (Remote)

May 2022 - August 2022

Software Engineer Internship

- Created a demo application consisting of over 2000 lines of code that utilizes Red Hat's operator database access through OpenShift
- Prototyped Cyber Ark into Red Hat's operator database access through Golang to create a higher network security for Kubernetes secrets.

BOC Bank – Amarillo, TX

May 2020 - January 2021

Software Engineer Internship

- Developed a python application that allowed over 700 customers a week to upload a picture into the bank's React mobile application to have a scanner process the check and deposit it into Microsoft Azure database.

Code Ninjas – College Station, TX

March 2021 - May 2022

Coding Instructor

- Taught over 20 students various technical knowledge consisting of JavaScript, Lua, and C# in Unity.

Projects

Disco Park (React, TypeScript, Node.js, MongoDB)

- Built a TypeScript algorithm that perfectly matched a user's preferences to optimal top National Park.
- Leveraged Node.js to gather over 300 National Parks API information and stored them into MongoDB.

Aggie Vibe Check (Python, Java)

- Developed a machine learning python interface to read the over 1000 tweets daily from Texas A&M.
- Built a python ranking algorithm that positively or negatively showed how twitter viewed A&M subjects.

Skills

Languages: C++, Java, JavaScript, TypeScript, Golang, Python, C#, SQL, HTML, CSS

Technologies: Git, React, GIS, Docker, Linux, PostgreSQL, Kubernetes, Distributed Systems

Hobbies/Clubs

Road Trips, camping, guitar, triathlons, climate change, gardening, El Paso Hiking Club.