

Anoop V K

Software Engineer with over 3 years of experience, skilled in rapidly learning and applying new technologies, with demonstrated expertise in understanding system requirements, designing architecture, development, testing/QA, and managing production environments

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Relevant Experience

Software Engineer • RCKR Software July 2021 — Present

- **Implemented and deployed** a **Dockerized** resource server in **Azure** with **multi-tenant** authorization and authentication using **OAuth 2.0**. Integrated **OpenTelemetry** for telemetry, connected to Datadog.
- Architected a microservice to generate secure, asynchronous PDF exports of patient data, deployable as an **Azure Functions** for scalability.
- Created a **cost-effective** audit log archiving tool using **Apache Parquet**, reducing client costs.
- Architected and developed an end-to-end widget for storing insurance information, enhancing user accessibility for **3 million** users.
- Integrated microbiology data in **FHIR standard**, improving data management of blood test results.
- Developed visually engaging graphs with **D3.js**, enhancing data analysis and decision-making.
- Integrated health devices like Fitbit, Garmin, and Omron, improving user experience and data synchronization.
- Led **deployment** of Android and iOS applications, enhancing system accessibility and user engagement.
- **Mentored and trained** junior team members, fostering a collaborative and skilled development team.
- Optimized deployment processes with PowerShell scripting, enhancing system efficiency.
- Implemented internal API endpoints for streamlined testing, significantly expediting access to test user data.

Software Developer Intern • Crevice 2020 — 2021

- Developed web applications using React.js, gaining hands-on experience in front-end development.

Selected Projects

Ai SQL Chatbot

Developed a chatbot that dynamically creates and executes SQL queries on a relational database with the capability to switch between different LLMs for tailored responses and solutions.

Social Distancing Detector

Developed a social distancing detector that uses surveillance cameras to monitor and alert people to maintain safe distances, built with Python, OpenCV, threading, and Firebase.

QuickSqlServerSnippets VSCode Extension

Developed a VSCode extension for managing and executing SQL queries on SQL Server databases directly from the editor. It uses the Command Palette to save, run, and delete queries through a simple interface. Built with TypeScript and NodeJS.

Skills

Programming Languages

C#, JavaScript, TypeScript, Python, SQL

Libraries & Frameworks

.NET Framework / .NET Core, Angular, RxJS, Hangfire, Cordova, Apache Parquet, OpenTelemetry, LangChain

Tools & Platforms

Docker, Docker Compose, Kubernetes (basic), Redis, Firebase, MS SQL, Azure, OAuth 2.0 / OIDC, Git, PowerShell scripting

Education

MES College of Engineering

Bachelor of Technology in Computer Science 2017 — 2021

Interests

Trekking, Time travel movies, Psychology, Badminton