

ASHWIN NELLIMUTTATH

anell003@ucr.edu | +1-909-834-6294 | Riverside, CA | www.linkedin.com/in/ashwin-nellimuttath | <https://github.com/ashwinnellimuttath>

SUMMARY

Experienced Full stack developer with 5+ years expertise in various programming languages JavaScript, Python, and Golang, as well as a strong grasp of databases, web development frameworks, and tools. Skilled in building highly scalable applications and optimizing performance with a strong commitment to collaboration and innovation.

SKILLS

Programming Languages: JavaScript/TypeScript, Python, Golang, SQL, HTML5/CSS, C/C++
Databases: MySQL, PostgreSQL, MongoDB, Elasticsearch, Supabase, NoSQL
Web Development: Next.js, Angular, React, Node.js, Redux, RxJS, Django, GraphQL, Tailwind
Tools: AWS, Kubernetes, Git, Docker, Linux, CI/CD, Microservices, Agile/Scrum, Swagger

EXPERIENCE

Alltech, Full Stack Developer California, USA | Jun 2023 – Sep 2023

- Conceptualized and built a Farm management web interface **Independently** using Next.js 13. Integrated authentication system to ensure secure user access and data protection using Supabase as a Full stack developer.
- Leveraged **Retrieval Augmented Generation** and Langchain to provides users with personalized and precise feed recommendations enhancing the capabilities of the pre-trained **large language model (LLM)** LLama2
- Strong understanding of the Product and identified changes to improve website performance and SEO rankings, resulting in a **30% decrease in initial page load times**, reduced latency and overall performance increase.

Qburst, Senior Software Engineer Trivandrum, India | Feb 2020– Aug 2022

- Headed a Team of 5 to develop REST APIs with Golang using **Dependency Injection** to show recommended products for a **large scale e-commerce website**. Improved the API **response time by 20%** using Goroutines.
- Built an web application in React using hooks, Redux for creating and editing Agreement Template PDFs using FabricJS; **affecting more than 1M PDFs** thereby improving the updation time of Template by more than **70%**.
- Implemented practices to improve efficiency, scalability, and **SQL Query performance by 30%** using modern abstractions and frameworks and incorporated Functional testing and Continuous integration.
- Created Unit test cases and mocks using mockery with **95% test coverage** . Worked closely with cross teams, actively seeked and gave feedback for design and code reviews following AGILE development methodology.

Triassic Solution, Software Developer Trivandrum, India | Jul 2017– Feb 2020

- Developed a dynamic web app at a fast paced high-growth startup to show live data coming from microcontrollers using Angular 6, Typescript, Webpack federated modules, Three.js, Rxjs subscriptions and socket.io.
- Implemented RESTful web services with **Object oriented Programming** using NodeJS, Express JS, MongoDB and MVC design patterns achieving **30% faster response time** using Redis cache. Designed graphs ,charts and monitoring mechanisms providing users with intuitive and actionable insights into system performance.

PROJECTS

DataTrak Template Automation

- Enthusiastically embraced** the challenge of re-architecting Planet Fitness' financial services into a microservice based dockerized platform and orchestrated **Kubernetes deployments**. Worked collaboratively as a team and rapidly **adapted to the latest technologies**, which led to a significant cost reduction of over **\$30,000** annually.
- Worked closely with the PMs and clients to understand needs and convert requirements with innovative solutions

Patient Monitoring System

- A high-impact Machine Learning medical application that revolutionized healthcare by analyzing patient records.
- Conducted thorough Exploratory Data Analysis using pytesseract OCR and spaCy NLP library to derive valuable insights that can positively influence lives. Ensured adherence to **privacy and security** standards for HIPAA.

Affiliate Marketing

- Mentored Junior developers to develop the back end of the application using Golang, PostgreSQL and Google Sign-in APIs and OAuth that allows third party publishers to monetize their marketing strategies for Qburst.
- Integrated CI/CD pipelines using Jenkins with Github facilitating automated builds, tests, and deployments.

EDUCATION

Master of Science, Computer Engineering | Sep 2022- Dec 2023

University of California, Riverside

GPA 3.88/4

Coursework - Data Structures and Algorithms, High Performance Computing, Distributed Systems, Operating Systems

B.Tech, Electronics and Communication Engineering

Kochi, India | 2013-2017

Cochin University of Science and Technology