

# Athul Krishna Kottakkal Suresh

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**Full Stack Software Engineer** with over 4 years of experience architecting and building secure, scalable **SaaS** and **Fintech** platforms. Deeply proficient in **React**, **Node.js**, and **TypeScript**, with a focus on delivering high-performance user interfaces and resilient backend services. Proven success in fast-paced startups and global enterprises (**FactSet**, **Good With**), driving end-to-end product development from concept to deployment. **MSc in Cyber Security** and **AWS Certified Solutions Architect**, committed to engineering best practices, cloud-native solutions, and secure-by-design methodologies.

## Experience

### Good With Ltd.

London, UK

Full Stack Software Developer

October 2023 - Present

- Collaborated cross-functionally with data and design teams to spearhead the development of the flagship mobile and web app as one of two core engineers, architecting the solution for scalability and cross-platform performance
- Developed and maintained cross-platform applications, starting with a Flutter and Firebase mobile app, migrating to a Next.js web app with Express.js backend, and later wrapping it into a mobile app via React WebView
- Designed RESTful APIs and optimised web performance to improve user experience across devices
- Managed infrastructure as code using Terraform and deployed on Google Cloud Platform (GCP)
- Built CI/CD pipelines via GitHub Actions, reducing deployment times and increasing release frequency
- Conducted strict code reviews and, as the Security Lead, established secure coding practices and vulnerability monitoring, successfully guiding the company to achieve Cyber Essentials and Cyber Essentials Plus Certification
- **Technology used: Flutter, Firebase, Next.js, Express.js, PostgreSQL, Python, Terraform, GCP, GitHub Actions, React WebView**

### FactSet Research Systems Inc.

Hyderabad, India

Software Engineer

February 2021 - August 2022

- Developed 32 new endpoints for 7 different REST APIs of the company product
- Researched and recommended the most effective and widely recognised best practices in API development
- Monitored organisation's networks, identifying and responding to potential security breaches
- Maintained secure practices resulting in fewer client impacting SLT breaches for critical services at 99.95% availability
- **Technology used: AWS, Java, PostgreSQL, Spring Boot**

### Good Methods Software Solutions Pvt. Ltd.

Thiruvananthapuram, India

Software Development Engineer

July 2020 - January 2021

- Liaised with the team to develop two new core features for the company product Carestack web application
- Analysed user needs and proposed design software solutions to fulfil the requirements
- Facilitated in migrating the web application from AngularJS to Angular2 framework
- **Technology used: .NET Core, Angular, Docker, SQL**

## Education

### King's College London

London, UK

Master of Science

September 2023

Cyber Security

### Govt. Model Engineering College

Ernakulam, India

Bachelor of Technology in Electronics and Communication Engineering

June 2020

Board: APJ Abdul Kalam Technological University (KTU)

CGPA: 8.62 / 10.0

## Projects

### ItinApp - AI-Powered Travel Planner

- Engineered a SaaS platform using **Next.js 16** and **OpenAI**, reducing user planning time by 90% through custom prompt engineering and strict JSON response validation for deterministic, structured AI outputs.
- Architected a scalable **Monorepo** using **Turborepo** and the **TypeScript T3 Stack (Next.js, tRPC, Prisma ORM)**, enforcing end-to-end type safety across isolated UI, API, and Database packages via **Zod** schemas.
- Developed a responsive, accessible UI with **Tailwind CSS** and **Shadcn**, implementing optimistic updates for near-instant interaction and secure **NextAuth.js** (Google OAuth) authentication.
- Designed a **Serverless** infrastructure on Vercel, integrating **Supabase (PostgreSQL)** with **PgBouncer connection pooling** to handle high concurrency and prevent connection exhaustion at scale.
- Established enterprise-grade reliability by implementing automated testing pipelines (**Vitest** for logic, **Playwright** for E2E) and real-time observability/error tracking via **Sentry** and **Vercel Analytics**.