

# Blair Noel Fernandes

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Software Engineer with 5+ years of experience in building scalable web applications, optimizing APIs, and working with cloud deployments. Proficient in Angular, Node.js and Java application development.

## Work Experience

- **Senior Software Developer at Quantiphi (September 2022 – Present)**
  - Designed and maintained a single-page web application with a Node.js backend and Angular frontend.
  - Integrated RESTful APIs and 3<sup>rd</sup> party APIs in the backend using axios.
  - Deployed applications on Google Cloud Platform (GCP).
- **Application Developer at Thoughtworks (March 2022 – August 2022)**
  - Developed reactive backend systems using Spring WebFlux & Kotlin, ensuring high performance.
  - Built and tested frontend applications in React.js, integrating APIs with smooth UI interactions.
  - Utilized test-driven development (TDD) using JUnit & Mockito for robust code reliability.
- **Java Developer at Tata Consultancy Services (TCS) Ltd. (June 2019 – March 2022)**
  - Implemented full-text search capabilities using Apache Solr & SolrJ API, improving search performance.
  - Developed an API gateway with enhanced security and user management features; tested APIs using Postman & JMeter.
  - Migrated applications to Azure VM and configured them using Azure API Management.

## Personal / Academic Projects

- **Inventory management system CLI using Python**
  - An inventory management system application with command line interface developed using Python.
  - Features to add, update, remove items and view inventory
  - Saving and loading inventory data from json files.
- **Chat app in Android**
  - A chat application built using Kotlin in Android Studio.
  - Connects to a node.js API hosted on Heroku using web sockets to send and receive messages.
  - Features creation of different channels for different topics.
  - Published on [Google Play](#)
- **Event Management App in Android**
  - Android App built using Android Studio containing multiple activities like Login Activity, Register Activity etc.
  - User authentication (Email verification) using Firebase Auth.
  - User details and other information is stored using Firebase Database
- **HR Management System Web Application**
  - HR Management System web app which can be used by HR to maintain employee records and to view job applications in the database (Derby database)
  - Connection to database is done using JDBC.
  - HR can send Email to employees.
  - User can login as either HR or employee

- Front-end using HTML, CSS and JSP.

## **Skills**

- Frontend Development: Angular, React, Android
- Backend Development: Node.js, Java, Spring WebFlux, Kotlin
- Scripting Languages: Python
- Databases & Search Engines: SQL (PostgreSQL, MySQL), Apache Solr, Firebase
- Cloud & Deployment: Google Cloud Platform (GCP), Azure, Heroku
- Tools & Frameworks: React.js, Angular, Postman, JMeter
- Testing & Debugging: JUnit, Mockito