

Summary of Qualifications

Experienced Full-Stack Software Engineer dedicated to creating and enhancing applications that drive tangible business value. Proficient in backend development using .NET(ASP.NET), Python (Flask and Django) and Node.js, and familiar with frontend technologies such as React JS and Angular. Demonstrated expertise in SQL databases and MongoDB. Proven track record in DevOps, encompassing CI/CD pipeline integration, application deployment utilizing Vms, App Services and leveraging cloud technologies like Azure and AWS.

I also possess a strong foundation in AI-driven development and have a knack for building AI-enabled applications. Skilled in harnessing the power of artificial intelligence to solve complex problems and enhance user experiences. Skilled in fast and efficient software development driven by AI. Familiar with AI frameworks and libraries, including TensorFlow, PyTorch, HuggingFace Transformers, Langchain, OpenAI and much more. Also a huge supporter of Open-Source.

My adaptability, problem-solving orientation, and proficiency in Agile-driven product development and SCRUM methodology make me a valuable asset to any development team.

Professional Experience

Cirrus labs, Bangalore KA, IN

Software Developer • May 2022 – May 2024

- **Azure Development Engineer – Deloitte India Consulting (Team Lease)**
 - Attended interview with Deloitte technical team and got selected for the DT GCS-Azure Development Engineer.
 - Onboarded Deloitte for a 6-month contract agreement (starting from 23/11/2023).
 - Did a PoC using Asp.NET MVC (CRUD Operations)
 - Working in Cloud Operations

- **Generative AI PoC – Document Processing (DocVision)**

- A web app that takes in different types of documents (pdf, docx, xls) and extracts information from it, including verification (for agreements or documents that need signature)
 - Developing the Backend using Python and frameworks like langchain, huggingface transformers and more.
 - Exploring LLM model deployment to Azure ML Studio and creating an endpoint
 - Creating API's for connecting the Backend to the Frontend.
 - Helped in the Deployment of the App using a Docker and Azure Web Apps and successfully created the CI pipeline.
 - Developed OCR (Optical Character Recognition) solution using Tesseract-OCR for new requirements. The App currently takes images as input and extracts useful information too.
- **Generative AI PoC (GeniBid)**
 - Bid management and RFI/RFP proposal generator -- Webapp
 - Team Lead for AI enabled response generator, that can answer questions, read documents and give responses and search and read from the company's confluence(Atlassian) pages.
 - Received appreciation and company recognition from Direct Managers, Global Head of Technology Delivery, Company CTO and COO. All of this done in 3 weeks timeline.
 - App(Demo) showcased in GITEX Global summit 2023, Dubai
 - Single-handedly solutioned complete architecture of App including complete Backend done in Python and using libraries like langchain, pytorch, openai and uses ChromaDb as embedded vector database.
 - Designed and implemented UI Screens in React.js with some good features like voice to text transcript and connected Backend API's.
 - Dockerized the app and Deployed the app in Azure AppServices.
 - Helped in creating CI pipeline in Azure Devops.
- **SUITS HealthCare App (Mobile and Web)**
 - Healthcare mobile application for both IOS and Android, having a Web Interface for Admin and Doctors.
 - Working as a Node.JS Developer as well as some help in Flutter mobile
 - Creating API's and Microservices to be used by both Web App (React.JS) and Mobile App (Flutter)
 - Worked in Migrating Monolithic Architecture to Microservices for Kubernetes implementation
 - Currently in Phase 3 of the App. Latest APK release is 3.1.3

- **LockThreat Compliance Management App (DOH Abu Dhabi)**
 - Compliance Management application for hospitals and healthcare entities
 - Under Department of Healthcare (DoH), Abu Dhabi
 - Worked on integrating the app with CI/CD Pipelines using Azure DevOps and monitoring the pipelines
 - Worked on creating QA and Prod Environments using Azure VM's and App-Services (deployed using IIS Express)
 - Worked as .NET(C#)/Angular Developer (Worked on completion of Change Requests from the client for a major release)
 - Worked on CR's for Angular frontend Web UI as well as Api's on the Backend using ASP.Net Zero template using C# language
 - Did some basic Manual Testing for above said release
 - Worked on improving Code Coverage using XUnit Framework and integrating SonarQube

- **Totira Property Management App (Canada)**
 - Property Management Application for leasing and buying properties in Canada with inclusion of completing legal formalities
 - Worked as Java Spring Boot Developer as well as some UI/UX using Figma
 - Worked on writing Unit Test Cases using JUnit and improving Code Coverage using JaCoCo
 - Even did some Manual Testing for the website

Avodha EduTech, Infopark, Kochi, KL, IN

Android Application Development Tutor (Part-time) • November 2021 to May 2022

- Tutoring students for Native Android Application Development using Android Studio and Core Java / Kotlin
- Responsible for live doubt clearance sessions for students as well as providing solutions to their queries
- Evaluation and Grading of Assignments and Projects
- Content creation of video sessions of Android application development based on curriculum topics
- Co-working with tutors and students from Flutter Application Development

Other Experience

Check out my GitHub Profile → <https://github.com/RamesanPP>

TinkerHub Community Campus Lead, Tvm, KL, IN April • 2020 to March 2021

- Started AJ College campus chapter (TinkerHub AJCST), Campus Lead
- In charge of responsibilities of reaching out of the community to students and faculties including different streams and backgrounds
- Role of conducting programs and functions to raise technology awareness
- Role of signing up interested persons and making them active members in the community to contribute ideas and knowledge
- Role of coordinating tasks between Technology Leads and Media Leads
- Passing on of roles and duties to successive batches of students

GTech ATFG MuLearn Community Member, KL, IN • 2021

- Active member of the organization and represented AJ College of Science & Technology, Tvm
- Actively participated in contests and competitions and bootcamps
- Sole competitor and introducer of my college to the competition leaderboard
- Participated in Hiring drives and job opportunities and ultimately landed first full-time job at CirrusLabs

Android Resource Person, Keltron (Part-time), KL, IN • 2021

- Volunteered as Android Resource Person (Non-Profit) at KELTRON which is under the Kerala State Electronics Development Corporation Limited (A Govt. Of Kerala Undertaking)
- Collaborated with the CampuzOn Application Team (which is an Android Application Startup that I Co-Founded which helps KTU University students with classes from real live tutors and study materials both free and paid and access various other functionalities of the University like results and timetables)
- Took various sessions and classes on Android Development online
- Taught in-person classes for Mar Thoma Institute of Information Technology, Kollam for a 6-day program called 'Android Masterclass'

Educational Certifications

- **University of Kerala, B.Sc Computer Science** from AJ College of Science and Technology, 2019 – 2022
- **Indian School Certificate – CISCE ~ 62% Marks**, Infant Jesus Convent School, Trivandrum, 2015 – 17
- **Indian Certificate of Secondary Education – CISCE ~ 90% Marks School Topper**, Infant Jesus Convent School, Trivandrum, 2014 – 15

Other Certifications

- SCRUM Fundamentals Certified (SCRUM Study)
- SCRUM Developer Certified (SCRUM Study)
- Microsoft Azure AZ-900 Certification
- Harvard CS50 Introduction to Computer Science Certification
- Fundamentals of Java EE Development (Red Hat)
- Multiple HackerRank certificates (10+)
- Wheebox National Employability Eligibility Test Certificate
- Flutter Bootcamp Completion Certificate (Make with Flutter organized by Flutter Kerala) and a few other Technology related certificates.

Academic Projects

Vidyarthi KU, KU Pro

- This is a Native Android Application developed as part of my Final Year Major Project for the University of Kerala. It is an Application for Kerala University Students.
- A student's hub where users can access all notes and lectures of various topics from different streams under the University.
- Mainly focused on BTech and BSc. Computer Science students.
- Contains in built video player feature as well as option to download the notes in PDF format.
- Contains a solid placement cell to make available job/career opportunities for students.
- Doubt clearance option is also available for students to directly contact faculty and mentors with queries.

Medical E-Treatment Card

- A web-portal based on PHP and MySQL.
- Created to store patient data and implement for all medical records of the patient throughout all time.

- Intended to achieve medical transparency in treatment and diagnosis of patients.
- A single portal that connects hospitals, clinics, laboratories, medical stores/pharmacies, and accessible to doctors.
- The future concept was to develop a physical digital card with collaboration from UIDAI to link medical details with Aadhar Card, which can be used by all citizens free of cost. (Similar to Aarogya card issued by the Govt. of India).

NREGS Portal

- A PHP-based web portal for Government of India: National Rural Employment Guarantee Scheme.
- Uses Apache Server and MySQL Database.
- Mobile monitoring and financial management system.
- The portal is intended for employees under the MGNREGS Scheme of Govt. of India
- Meant to show the available work of an employee and all possible schemes and benefits including salary to be disbursed.

WhiteBricks (Python-Django Full Stack)

- A python-based web portal that is a Paying Guest finder platform for a realtor company whereby users who come to a city for job/studies (or for anything) can search for PG availability in any city.
- Done as the Final Project for Python-Django Full-Stack Development course from MashupStack (an institution based out of Trivandrum, Kerala)
- Done using Python as the backend and Django web framework and Angular as the frontend.
- The project highly resembles the new online realty portal named MagicBricks.

Other Projects

Asp.Net MVC (CRUD Operations)

- Did as a PoC for Deloitte
- CRUD operations on MS SQL Server Database

Asp.Net Core Monolith

- Sample project to learn and work on the Asp.NET Core

- Forked from another repo
- It is a monolith with different Modules

SpringBoot- CRUD Operations Demo

- This is a learning project I did to go demonstrate SpringBoot Features.
- Contains normal CRUD operations
- working for h2 in-mem db
- working for mongodb
- Sample test cases (JUnit)
- Swagger2
- Actuator (endpoints exposed)
- Code Coverage Reports (JaCoCo)

.NET Core Microservices App (Maango)

- Sample PoC, worked together with colleagues
- Worked in implementing the code given by Team Lead
- Successfully demoed it to an All-Hands Meeting in the Company to showcase the skillset.

SpringBoot Microservices

- Sample project to learn and work on the Microservices Architecture and learn the design principles.
- Forked from another repo

MERN Stack Demo

- Sample project worked to learn and create a MERN stack App

Skills

C# (ASP.NET Core, MVC, XUnit, EntityFrameworkCore, LINQ),

Python (Flask, Django),

Node.JS (Sequelize, JWT),

Azure (Vms, Container Registry, Container Apps, App Services, Function Apps, Entra ID, Key Vault)

SQL (MySQL, MSSQL), MongoDB, ChromaDB

Java (SpringBoot, Spring JPA, Hibernate, JUnit, JaCoCo, J2EE),

HTML/CSS, JavaScript,

React JS, Angular TypeScript/JS

(Basics), GCP, Firebase (basics)

Azure DevOps (CI/CD pipelines),

Android Studio (Java/Kotlin), Flutter Mobile

Swagger, Postman, SonarQube

Git bash, GitHub Actions, PowerShell, Linux terminal

Docker Containers

Atlassian, Confluence, Jira Scrum Board