Alen Geo Alex

Software Developer

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About Me ─────────

An aspiring coder and a freelance software developer with profound skills in Java, along with remarkable knowledge in Python, C, and other languages. I am a final year BCA student at Santhigiri College of Computer Sciences, Vazhithala. During my free time, I have worked on various projects for both Indian and overseas clients and also worked with a team in server development with back-end support from my side.

Skills ─────────────

- ✓ Java
- ✓ C#
- ✓ HTML
- ✓ JavaScript
- ✓ PHP
- ✓ HTML
- ✓ Flutter
- ✓ C
- ✓ C++
- ✓ Lua
- ✓ LaTeX
- ✓ MySQL
- ✓ MongoDB
- ✓ AWS
- ✓ Google Cloud Compute

Carrier Objective

To be associated with a dynamic and progressive organization that will allow me to utilize my abilities and skills, for attaining the organizational goals, along with the ambition of acquiring new skills and technologies, which may help in my career development.

Work Experience

2020 – Present	**Freelance Software Development** Worked as a freelance software developer and executed various paid projects for overseas clients, the details of a few are described in the Project Section below. These projects are also shared in my GitHub account.

Education

Undergraduate Programme

2020 – Present	**Bachelor of Computer Application** Santhigiri College, Vazhithala **Relevant Coursework**: Computer Fundamentals, Introduction to C Programming, Database Management System, Data Structure using C++, Computer Networks

School Education

2018 – 2020	**Higher Secondary Education** Alphonsa Residential School **Relevant Coursework**: Mathematics, Science, Computer Science.
2017 – 2018	**Secondary School Education** Alphonsa Residential School **Relevant Coursework**: Mathematics, Science, Computer Applications

Project Works

Kingsland Core

This is one of our ongoing project and is developed as a team effort, My contribution to the team is the necessary back-end development support.

Kingsland core is a framework developed for Kingsland organization, which are built to work on RAGE MP platform. The core is developed with scalability in mind, handling resource-intensive operations in parallel, using multiple threads.
The core is written to support over 500+ players concurrently

Technologies Used: C#, HTML, JavaScript, CSS, MySQL

Bridger

Bridger is a practice game mode for Minecraft developed with in the help of Spigot's Plugin API. The plugin was written as highly configurable and feature rich. The plugin support multiple database options like MongoDB, SQLite and MySQL.
The plugin also supports localization features based on one's language. The plugin is developed with concurrency in mind in order to handle most of the resource intensive task on other threads

Technologies Used: Java, MySQL, MongoDB, SQLite

Turf Management

Turf Management is web application which would handle turf owners to list out their turf and common consumers to book out their slot as per their requirement.

Technologies Used: HTML, JavaScript, CSS, PHP, MySQL

Awards And Certifications

The Joy Of Computing using Python   90%
NPTEL - IIT Ropar

The course introduced myself into advanced python programming. Turning abstractions to insights and engineering to art, the course focuses primarily to inspire the learner's mind to think logically and arrive at a solution programmatically.

Data Base Management System   65%
NPTEL - IIT Kharagpur

The course introduces relational data models; entity-relationship modeling, SQL, data normalization, and database design. Further it introduces query coding practices using MySQL (or any other open system) through various assignments. Design of simple multi-tier client / server architectures based and Web-based database applications is also introduced.

Getting Started with Data Analytics on AWS
Coursera - Amazon Web Services

Understand how to perform descriptive data analytics in the cloud with typical data sets, explaining different types of data analyses – descriptive, diagnostic, predictive, prescriptive and how to build simple visualizations in AWS QuickSight to do descriptive analytics (using S3, Cloudtrail, Athena)

How Computers Work
Coursera - University of London

This course takes one through the fundamental concepts that you can apply to any software or computer system. It will show a better picture about the concepts of kind of computer systems we use every day, including word processing applications, e-commerce, the internet and web sites. One will learn how to apply computer science concepts to solve problems in daily computer use and generally be a better computer user.

Publications

Review on Web Scrapping
Alen Geo Alex, Nakul S. Kumar, Prithwiraj Prakash. (2022) Review on Web Scrapping. IJARSCT. 2(3). 12-19