

# KEVIN KARIKALAN M

## PYTHON DEVELOPER WITH REACT JS

### CONTACT



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Tiruchirappalli, Tamilnadu

### WORK EXPERIENCE

#### CODE METRIC

##### Tiruchirappalli, Tamilnadu.

System Engineer, JULY 2023 - Present

#### RELENTLESS SYSTEMS

##### Bengaluru, Karnataka.

Software Engineer, JAN 2021 - JUNE 2023

### SKILLS

- Python
- SQL ( MySQL and SqlAlchemy )
- HTML / CSS / JavaScript
- React.js
- Frameworks ( Flask and Django )
- AWS
- Git and GitHub

### EDUCATION

#### M.Sc - Computer Science

Allagappa University, Karaikudi.

### LANGUAGES

English

Tamil

### PERSONAL DETAILS

Father Name : MANOHARAN .P

Place : Thanjavur

### PROFILE

A dedicated and motivated Python developer with **3 years of experience** in developing and maintaining web applications using **Python, Flask** and **Django**. Skilled in front-end development for SPA with **HTML5, CSS3, JavaScript** and **React.js**. A good knowledge and strong understanding of database design and **MySQL**. Proven ability to use **AWS** services to deploy and manage applications in the cloud. Expertise in **Git** and **GitHub** for version control and collaboration.

### PROJECTS

#### VizPro

CODE METRIC - SEPTEMBER 2023 - PRESENT

This project involves in creating a custom dashboards and understand data by presenting it in a visual format, such as a graph or map. For accessing we used Role-based access control (RBAC) security method that limits access to users based on their roles (such as Admin, TeamLead and Member) within an organization. This project will be a data visualization application built with the **Django Python** framework and the **React JavaScript library**. Data visualization allows business users to gain insight into their vast amounts of data. It benefits them to recognize new patterns and errors in the data.

#### MY ROLE : User Authentication and Role-Based Access control

I used the built-in Django authentication system to handle both authentication (user identification) and authorization (permissions). RBAC is a system which i used it allows you to define roles and permissions to login.

#### GenTomb

RELENTLESS SYSTEMS - JULY 2022 - JUNE 2023

This project involves in creating a Secure Genetic Database. Genetic data contains sensitive information about individual's health and medical history and it is important to protect this information from unauthorized access or misuse. Secure genetic database development protects sensitive information from unauthorized access, use, disclosure, disruption, modification, or destruction.

It built with **Python Django** framework to handle the backend of the application and for database **SQLAlchemy**. The **React.js** library will be used to handle the frontend of the application, including the user interface and dynamic content.

#### MY ROLE : User Management, Data Ingestion and Data Retrieval

I created a role-based access control (RBAC) system to manage and restrict the data database access based on user roles. Admin can create, update, and delete users and their roles at the site level through RESTful API. Admin team can view and retrieve the data.

### ROLES AND RESPONSIBILITIES

- Created a efficient and scalable code for Developing and maintain web applications using **Python, Django**, and **MySQL**.
- Created a interactive **React** based frontend login and registration form
- Authenticate for a user's identity.
- develop the application's back-end components and linking it with other web services.
- Assigning permissions and roles to the user with the help of **RBAC**.
- Ensuring that the user can only access their systems and data.
- Users are authenticated by the database using the user's Windows login credentials enabling them to access the Database.