Shruti Dadhich

# SUMMERY

Around 3+ years of experience in designing, developing, and maintain software applications for various platforms using programming languages and tools. I collaborate with cross-functional teams, troubleshoot issues, and document code and processes. I stay up-to-date with the latest trends and best practices in software development to ensure that software applications are functional, efficient, maintainable and secure.

# KEY SKILLS

* Python, Java
* frameworks: Django, Django Rest Framework,FastAPI
* Postgresql
* GIT and GITHUB
* JavaScript, CSS3, HTML5
* Problem-solving skills, Communication skills

# EMPLOYMENT AND PROJECTS:

* Bit squad Software Pvt.Ltd.

# Projects Details

# **Project 1: Title: Conto** (March’23 to till date)

Technologies used: Python, Django Rest Framework, Git, Postgres

* + It contains all the functionalities related to Payment.
  + It can generate the report of Login, Payment, Customer, Bills and Transactions.
  + Backend using python, Django Rest Framework, Postgres for storing and maintain records and relationship.

# Roles and Responsibilities

* Developing and maintaining the server-side of the application, which includes the database, APIs, and backend systems.
* Writing code in server-side programming languages and frameworks like Python,Django.
* Designing and implementing data storage solutions using Postgres database.
* Ensuring high performance and responsiveness of the backend systems.
* Debugging and resolving technical issues that arise in the backend.
  + Implementing security measures to protect user data.

# Project 2:

**Title**: **E-Commerce Website** (July’22 to March’23)

Technologies used: Python, Django, Git, Postgres, HTML, CSS, JAVASCRIPT

* It’s a jewellery-based E-commerce websites, marketing for precious and semi-precious stones.
* Implemented design and development features with Html, CSS and JavaScript
* Backend tools using python and Django for rendering and routing.
* Fasten Database operations using Postgres.

# Roles and Responsibilities

* + Design and develop scalable, maintainable, and efficient web applications using Python and

Django Framework.

* + Develop and maintain databases, including creating database schemas, designing data models, and optimizing database performance.
  + Coordinated with frontend developer, and collaborated with cross-functional teams, including designers, product managers, and other developers to improvements for the e-commerce websites.
  + Ensure the security and stability of the website, including addressing vulnerabilities and implementing security measures.

# Project 3:

**Title: Creative Rabbit, Backend Developer** (Jan’22 to July’22)

Technologies Used: Python, FastAPI, Postgres, Gitlab, ReactJS.

* It's a simple application to purchase and sale of domain.
* Developed Api's using FastAPI to evaluate the request and save the data into database.
* Integrated Third Party Domain Api such as DNS sample and Go daddy.
* Faster the existing Code by 10x by using asynchronous programming.
* Integrated Stripe Payment gateway to handle the sale and purchase transactions of domain.

# ROLES AND RESPONSIBILITIES:

* Designing and implementing database schemas, models, and queries to support website functionality.
* Collaborating with front-end developers, designers, and other stakeholders to understand requirements and ensure seamless integration between the server-side and client-side of the application.
* Keeping up-to-date with the latest trends and best practices in web development, and contributing to
* the development of the website’s backend architecture and technology stack.
* Debugging and resolving server-side issues and bugs.
* Ensuring the scalability, performance, and security of the website’s backend infrastructure.

# Project 4:

**Title: Payroll in Accounts, Backend Developer** (Feb’21 to Jan’22)

Technologies Used: Python, Postgres, Gitlab, Django Rest Framework.

* Payroll System is to manage the details of Salary, Payments,Payroll, Employee, Working Points. It manages all the information about Salary, Appraisals, Working Points, Salary.
* It has to store all the records of all employees within the organization to assign work to person and right salary and perks to their eligible employees.
* It can also manage employee information efficiently, define the emoluments, deductions, leave, tax etc, generated pay-slip, generate and manage the payroll processes according to salary structure assigned to the employees etc.

# ROLES AND RESPONSIBILITIES:

* + Develop back-end components to improve responsiveness and overall performance.
  + Integrate user-facing elements into applications.
  + Test and debug programs.
  + Improve functionality of existing systems.
  + Coordinate with internal teams to understand user requirements and provide technical solutions.
  + Creates customized applications for smaller tasks to enhance website capability based on

business needs.

* + Builds table frames and forms and writes script within the browser to enhance site functionality.
  + Ensures web pages are functional across different browser types; conducts tests to verify user

functionality.

# Project 5:

**Title: Online Learning Platform, Backend Developer** (June’20 to Feb’21)

Technologies Used: Python, Postgres, Gitlab, Django, HTML, CSS, Javascript. An e-learning platform is a website or application that provides online educational courses, materials, and resources to students. As a Django developer, your role in developing an e-learning platform would involve creating a robust, user-friendly web application that allows students to access and complete courses online.

# ROLES AND RESPONSIBILITIES:

Designed and developed a full-stack e-learning platform using Django and Python, including front-end interfaces and back-end data models.

* + Worked closely with stakeholders, including teachers and administrators, to understand their

needs and requirements, and iteratively developed the platform to meet those needs.

* + Implemented features such as course creation and management, user authentication and authorization, course materials distribution, and progress tracking.
  + Developed automated tests to ensure high quality and reliable functionality of the e-learning platform.
  + Utilized Django's built-in security features to protect sensitive user data and ensure a secure online learning environment.
  + Improved platform scalability and performance, allowing it to handle increased traffic and

user load.

DECLARATION: I do here by declare that the details provided above are true to the best of my knowledge and ability.