**Shashidhar Sai**

**Full Stack Python Developer**

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**SUMMARY**

* Professional experience for over 10 years as a **Full Stack Python Developer**, working in Object Oriented development, implementation and maintenance of **web Applications** for **legacy** and distributed Enterprise applications with the usage of **Python technologies** in domains namely **Health Insurance, Business consulting, Recruitment solutions.**
* As a **Full Stack Developer** in **Python** in the design and development of web-based applications with the help of **Django MVT, REST frameworks, Flask, Starlette frameworks of Python**.
* Lead and managed development teams sized from 5 to 10.
* Extensive involvement in implementing database access with the usage of **Django ORM** and **tortoise**.
* Experienced in **Analysis, Design, Integration, Development, Deployment** and **Maintenance** of Web based applications with the usage of backend like (**Django, Flask, Starlette)/Python** and front end such as **HTML, CSS, Javascript, Jquery, Angular Js, Vue Js, React Js.**
* Extensively Knowledgeable in understanding **Data Structures, Algorithms & Object-Oriented design concepts**.
* Strong Foundation in **Jquery** and familiarity in **AngularJs, Vue Js & React Js**.
* Exposure to **Nodejs**.
* Expertise working with methodologies such as **Waterfall, Agile (TDD, SCRUM).**
* Experience with **Docker, AWS, Nginx, Elasticsearch, Microservices, RabbitMQ, Celery, .NET, ASP.NET, MVC and MSSQL**
* Experience in building chatbots using **Gcloud dailogflow** and **Microsoft Bot framework**.
* Exposure to Infrastructure as code tools – **Terraform, Chef and Ansible**
* Experience in working with Linux versions – **Ubuntu, Redhat, Suse and AIX**
* Experience with **MS SQL, PostgreSQL databases**.
* Supporting Pre-Sales teams in the leads generation and converting them into projects.

**TECHNICAL SKILLS**

**Languages** Python, C#, SQL

**Application Servers** IIS, Gunicorn, Uvicorn, Waitress, HTTP, HTTPS, FTP and SMTP.

**Databases** SQL, SQL Server, PostgreSQL, MongoDB

**Web Tools/IDE** Visual Studio, VS Code, Sublime

**Front End Technologies** Angular JS, React Js, Vue Js, jQuery, Java Scirpt, HTML, CSS

**Framework/Tools** Django MVT, REST, Flask, Starlette, Docker, Nginx, Celery, ASP.NET, MVC, Entity framework, SSIS, Ansible, Terraform

**Version Control** Git, TFS

**PROFESSIONAL EXPERIENCES**

**Client: Verizon – New York, NY Dec 2022 – Till date**

**Project: SAP Base Provisioning**

**Role: Sr. Full stack developer with Python and Nodejs**

**Description:**

Verizon is a spin off from business of Global Telecom Services. SAP Base Provisioning is a squad team, part of SAP Tribe in Verizon, which builds solutions to provide infrastructure services. It provides an automation of provisioning required infrastructure, manage operating systems and other pre installations required for SAP, installation of SAP and maintenance of SAP on the infrastructure.

**Responsibilities:**

* Working as a full stack developer in SAP automation team.
* Developing a build order tool for **SAP installation** requisites using **React Js** and **Nodejs**
* Development for standalone compliance scans to enforce project standards, flexible enough to handle majority of customer build use-cases
* End-to-End enablement of SAP automation on new **Linux platforms** using **Python**
* Developed **REST API** endpoints using Node js to collect data about various client installations.
* Worked on Kdump enablement and activation automation scripts using Python
* Developing playbooks using **Ansible** for automation of prerequires and SAP installations.
* Working on Linux operating systems **Redhat, SUSE** and **AIX** for various database and application installations.

**Client: JB Hunt – Annapolis, MD Oct 2021 – Nov 2022**

**Role: Python developer, Team Lead**

**Project: Production** **Platform**

**Description:**

JB Hunt is Transport services company which receives orders from an ecommerce platform developed inhouse. The project is the development of a tool for managing the production of orders received on customisation of various gift articles.

**Responsibilities:**

* Lead a team of 5 Python developers, working as an extended development team to JB Hunt onsite team
* Developed **AWS Lambda** functions using Python and host using **API Gateway** endpoints
* Integrated lambda functions with manufacturing workflows using **Camunda tool**
* Terraform configurations to create dynamic resources on **AWS cloud**
* Worked with **CI/CD setup** using **Jenkins**.
* Worked on CI/CD setup using **Terraforms** on AWS cloud.
* Working in an **Agile Environment**.

**Client: CVS Health – Irving, TX May 2020 – Sep 2021**

**Role: Full stack Python Developer**

**Project: Pathogen Tracker**

**Description:**

The project is the development of a tool for collection of Covid 19 samples and tracking their movement in laboratories.

**Responsibilities:**

* Worked on development of frontend web pages using **React JS**
* Developed APIs for samples data using **Django rest**.
* Integrated the backend with **FHIR APIs**.
* Worked in an **Agile Environment**.

**Client: Yahoo – Sunnyvale, CA May 2019 – April 2020**

**Role: Backend Python Developer**

**Project: HR Buddy**

**Description:**

The project is the development of a chatbot for HR related queries for organisation.

**Responsibilities:**

* Worked on **middleware API** for integrating with **Microsoft Bot framework** and **Google Dailogflow**
* Developed utilities to store chats and sending emails in required scenarios
* Maintained all services of **bot in test and prod environments**.
* Hosted and maintained **API developed** in test and prod environments.

**Client: UPS – Atlanta, GA Aug 2018 – April 2019**

**Role: Backend Python Developer**

**Project: Quick Quote Generation tool**

**Description:**

The project is the development of a tool for generation of a quick quote by the customers of a manufacturing unit. Customer uploads his needs and gets a quick quote with the details of availability and prices.

**Responsibilities:**

* Worked in **Agile Environment** and worked on **API development**.
* Developed API endpoints for upload of customer requirement and download of generated quotes, using **Starlette framework** and **Tortoise ORM**.
* Implemented all the operations using **asyncio**
* Developed next version of the tool using **Django rest framework**

**Environment:** Python 3.7, Starlette, Tortoise ORM, Asyncio, Uvicorn, Gunicorn, Django REST

**Client: Berkeley Research Group – Hyderabad, India Nov 2017 - Mar 2018**

**Role: Fullstack Python Developer**

**Project: DRIVE**

**Description**:

Berkeley Research Group, being a business consultancy, works on creating solutions for the customer requirements. Drive is one such platform by BRG, where it provides solutions for various types of problems.

BRG DRIVE is BRG’s Analytics as a Service platform, built to help clients and consulting teams create and sustain results. DRIVE provides clients with an innovative, multifaceted platform that integrates technology and people to identify and solve problems. Leveraging dashboards, scorecards, and custom analytics from any data source allows BRG and its clients to derive actionable insights and collaborate instantly.

**Responsibilities**:

* Led the development handling the client requirements, planning the changes and making it done.
* Led the design of a generic drag-n-drop form builder with **ElasticSearch backend**
* Implemented web app generic drag-n-drop form builder with **ElasticSearch backend** and **Django**
* Implemented security configurations in **Nginx**
* Enabled easy scaling, testing & deployment of the **microservices** by creating **optimized docker images**
* Designed and implemented Global Item Based Permissions in **BRG Drive**.
* Identified and fixed the timeout errors with **PostgreSQL** and **RabbitMQ** in consumers and celery tasks.
* Handled services of **AWS for development and testing**
* Managing the development team for more than a year. Active interaction with client, **Sprint planning** and work delegation by providing designs.

**Environment**: **Python, Django, VueJS, Docker, Celery, RabbitMQ, ElasticSearch, Docker Swarm, Nginx, HTML 5, JSON, JavaScript, GIT**

**Client: GGK TECH – Hyderabad, India Apr 2016 - Oct 2017**

**Role: Full stack Dotnet Developer**

**Project: CRUX**

**Description**:

This is a complete health insurance product being developed by the company targeting US clients.

**Responsibilities**:

* Involved in requirements gathering and design for GGK’s product named “**CRUX**”.
* Implemented integration between Membership system and billing system with **WebAPIs**
* Implemented display of tables in Admin pages for various types of data using **UI Grids in AngularJS**
* Implemented application submission in Operational User Portal using **AngularJS and WebAPI**.
* Implemented Address standardization across various systems in CRUX using **Google APIs.**
* Made a minimal payment system in the billing module with types of payment records.

**Environment:** **AngularJS, C#, ASP.NET MVC, WebAPI, LINQ, Entity Framework**

**Client: GGK TECH – Hyderabad, India Feb 2015 - Mar 2016**

**Role: Dotnet backend Developer**

**Project: ePAS**

**Description**:

This is an application, which mainly targets at maintaining all the data of the employees within the company with the detailed history of projects they have worked on and the clients they are associated with. This is a tool with many reports and notifications related to employees, projects and clients within a company

**Responsibilities**:

* Created **SSIS package** and maintained **ETL** of Employee data from **HR system** to **ePAS system**
* Created many **Stored Procedures** for fetching data and fed them to **Web based interface** using **WebAPI** and **AngularJS**
* Developed jobs for daily operations and notifications using **SQL server** agent and Windows services using **Quartz scheduler**.

**Environment:** **SQL Server Agent, MS SQL, SSIS, Angular JS, WEB API, Windows service**

**Client: BCBS – Hyderabad, India Jun 2013 - Jan 2015**

**Project- 1: Retail Renewal System**

**Role: Dotnet backend Developer**

**Description**:

RRS is a system, which holds the complete renewal information of the client. It is a major component in the renewals of health insurance, with its role in various types of renewals. It acts as a centralized data for all the systems for renewal information. It is also a key component in the migration of members from their legacy policies to ACA policies (Obama care plans).

**Responsibilities**:

* Handled many **db schema** changes as per the regular business changes in **Insurance Renewal system**
* Implemented file loading from **FTP,** processing and storing in DB
* Written many **Stored procedures** on various business conditions and converted the results into files after further processing of data, finally placed in **FTPs of other vendors**.
* Very close interaction with clients in every stage of application, from requirements gathering to the production

**Environment:** **Dotnet, ASP.Net MVC, MS SQL, SSIS**

**Project- 2: eServices**

**Description**:

eServices is an application which holds various service applications to Producers (Agents) and Internal users for viewing various kinds of data and changing the data through various kinds of member transactions.

**Responsibilities**:

* Handled many **db schema changes** as per the regular business changes in **Insurance Renewal system**
* Developed Web user interfaces using **Webforms, MVC, Jquery and Knockout JS**
* Worked on many user interfaces in Online application and renewal systems of **Health Insurance**.
* Worked on investigations of issues reported by end users in production, found out the root cause and fixed them.
* Written many **Stored procedures** on various business conditions

**Environment:** **Dotnet, ASP.Net Webforms, MVC, MS SQL, Web Services, HTML5, CSS3, jQuery, Knockout JS**