SHUBHAM PRASAD PEDNEKAR

Dallas, TX | +17168150972 | shubhamprasadpednekar@gmail.com | LinkedIn | Github

---

PROFESSIONAL EXPERIENCE

IT Software Engineer, Senior | Health Plan of San Joaquin (Contract)   Nov 2024 - Aug 2025

• Developed **Single Page Web Applications (SPAs)** with **Python Django Framework backend** and **React JavaScript (Kendo UI) frontend** and **Tailwind CSS** for Pharmacy and Compliance teams built to visualize and submit critical member data.
• Maintained secure **RESTful HTTP API** microservices to serve aggregated data via **MS SQL (T-SQL) Stored Procedures**.
• Integrated **Role-Based Access Control (RBAC)** multi-tenancy through **Azure Active Directory (Entra ID)** groups into **Okta Auth0** to configure authentication logic for internal tool **Single Sign-Ons (SSOs)**.
• Implemented **SAML**-based **SSO** integrations with internal IdP and various external SPs, including JIVA, QNXT, Inovolon and **Okta** with Just-In-Time (JIT) and SCIM provisioning, MFA, and SSL certificate authentication.
• Engineered **Extract Transform Load (ETL)** jobs for **Electronic Data Exchange (EDI)** workflows using **SQL, Python (dbt)** and **Apache Airflow** streamlining data exchange for claim adjudication and member management.
• Supported **Agile SCRUM** Project Management in **Azure DevOps** to maintain team projects, user stories, and analytics.

Software Engineer - Data | Gainwell Technologies (Contract)   Jul 2024 - Nov 2024

• Engineered file exchange portal dashboard in **Python Django Framework**, **React Javascript (Material UI)** to facilitate AFS file exchange between clearinghouses and health insurance providers and generate event notifications.
• Maintained **SQL Server Integration Services (SSIS)** workflows to integrate **SQL Stored Procedures, Azure Functions API Web Hooks, NFS, AWS S3 API** and **SMTP** servers to create and distribute AFS Files and Reports to clients.
• Implemented **AWS Cognito** to manage **customer identity and access (CIAM)**, including **SSO** via **SAML** exchange.
• Leveraged **Terraform** to deploy secure **Python RESTful endpoints** on **Microsoft Azure cloud** ecosystem including **Azure VM, Azure Functions and Azure Kubernetes Service (AKS)** to capture customer events to **Azure Cosmos DB**.

Software Engineer | SUNY at Buffalo   Aug 2023 - Jul 2024

• Leveraging **Python Django**, **HTML**, **CSS**, **MongoDB**, and **Redis** to develop SLURM module for UB CCR's ColdFront platform enabling academic researchers and students to submit, compile, and execute HPC programs on the compute cluster.
• Integrated **OpenLDAP**-based **IAM** for secure authentication and authorization, deployed as an **OpenStack** plugin.
• Authored **C++** programs into **PyTest** Python testing suite for testing scaling, networking, storage and logging.
• Automated **Docker** image builds and releases to **GitHub Container Registry** and **Docker Hub** via a **GitHub Actions CI/CD** pipeline, streamlining deployments.

Software Developer | GeekWork   Jan 2021 – Nov 2021

• Established Real-Time, Event-Driven Backend for NIDO Workz **Python Django** Web ERP App via **Postgres SQL Database (PL/SQL)** to observe status of factory automation robots using **jinja templates**, **Bootstrap CSS** and **jQuery**.
• Managed **Python (Flask Framework)** microservers and clients on embedded systems. These systems were used to deliver JSON-encoded robot states to Celery Message queues.
• Designed **RESTful API** endpoints for real-time and on-demand data retrieval via **HTTP fetch calls** to update UI views.
• Integrated **Active Directory (AD)** groups for streamlined C**IAM**, **user pool provisioning** and **RBAC.**

EDUCATION

M.S. in Computer Science | The State University of New York at Buffalo   Jan 2022 - Jun 2023
B.E. in Computer Engineering | University of Mumbai   Aug 2017 - Jun 2021

TECHNICAL SKILLS

Python, Django, Azure, Azure Data Factory, Odoo, CSS, JSON, REST, SOAP, API, CSS, HTML, React, VueJS, JavaScript, jQuery, SSIS, Django, Docker, ElasticSearch, FastAPI, Flask, AWS, GCP, Github Actions, git, HTML, Java, Jenkins, Lambda, SQL, splunk, MongoDB, NoSQL, Oracle, MSSQL, SSIS, SSRS, SSAS, OpenStack, SQL, T-SQL, Postgres, SSO, MDM, MFA, Auth0, Okta, PyTest, Pandas, Pydantic, S3, SNS, SQS, Selenium, Tableau, Terraform, Powershell, IAM, Airflow, PowerBI, Pandas, EC2, JMeter, grunt