Siddhant Chawla

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Experience

Software Engineer, L60   **Microsoft**   *Hyderabad, India*   **06/2022 - Present**

- Spearheaded the design and development of Customer Centric Monitoring Platform for CxObserve, leveraging **Azure** cloud technologies **Service Bus, Azure Functions, App Services, Cosmos DB** using **C#, .NET Core and React.** The system is robust and capable of evaluating thousands of user configured alerts in near real-time on a daily basis.
- Designed and implemented a high-performance, scalable solution using **Cosmos DB, C#, .NET Core** for fetching Programs and Contacts information for Azure Customers, capable of handling thousands of requests per second during peak loads.
- Formulated a pre-aggregation plan for specific CxObserve Datasets in order to improve API Performace resulting in performance improvements exceeding 75%. Additionally, introduced a redis-cache layer to further decrease the response of frequently utilized APIs, leading to an overall reduction of over 90% in P95 response time.

Software Engineer, L59   **06/2021 - 05/2022**

- Successfully planned and executed Subscription Migration for multiple services on Production, ensuring uninterrupted operations and zero downtime. Enhanced the security compliance of the services using **C#, .NET, Cosmos DB, Ev2 and Key Vault.**
- Contributed to the Reliability Data Domain of CxObserve, a project involving aggregations over billions of records to generate meaningful insights on customer reliability metrics such as AIR, Storage Availability, etc using **Service Fabric, Azure Data Explorer, Data Factory, C#, .NET Core and React.** This empowers CSTs and CSAMs in maintaining and creating new revenue streams worth over $ 10M annually.

Student Developer   **Summer of Bitcoin**   *Remote*   **06/2021 - 09/2021**

- Implemented various features such as Pay-to-many, Bump Fee and add additional Network Configuration Settings in multiple User-Interfaces (Mobile App, Desktop App and CLI) of "Electrum" which is the most popular Open-Source Bitcoin Wallet.

Lead Developer   **WSDC, NIT Warangal**   *Warangal, India*   **06/2020 - 05/2021**

- Designed and led the development of various online portals at the Institute, such as Student Portal, OMAHA (Online Mess and Hostel Allotment), Hostel Admin, Faculty Recruitment Portal and Online Registration. using **Python, Django, MySQL and Javascript**.
- Led the team overseeing the maintenance and enhancements of these portals ensuring seamless functionality for thousands of users across the different portals.

Software Engineer, Intern   **Microsoft**   *Remote*   **05/2020 - 07/2020**

- Developend an end-to-end Preview feature for the SQL Onboarding on the **Unified Telemetry Platform,** significantly improvisng user experience by providing upfront sample transformations, thus reducing latency to review onboardings from upto 24 hours to real-time. Utilized **C#, .NET, MVC, MSSQL, React and Redux** for the implementation.
- Added new features on the User Interface such as Edit Onboaring, Search Onboaring on the UTP Portal. The Portal is used by internal teams to onboard their services/applications to the Microsoft Telemetry Platform.

Education

Bachelor of Technology   **National Institute of Technology, Warangal**   *Warangal,India*   **07/2017 - 05/2021**

- Major in Electrical and Electronics Engineering , **GPA - 8.09/10**
- **Thesis Project:** Cyber Resilient Control of DC Microgrids

Projects

- **AI Based Bots:** AI Based Game Playing Agents ⌾   **(04/2020)**
  - Made a Tic Tac Toe game in Python with an AI-based bot as an opponent using Min-Max Algorithm.
  - Made a Minesweeper game in Python with an AI-based bot to suggest moves using Propositional Logic based on a Knowledge Base.
- **Lens Finder:** AI Based Selfie Filters ⌾   **(05/2019)**
  - Detect facial keypoints using a CNN trained on a Kaggle Dataset.
  - Using OpenCV and the keypoints obtained applied various filters on the detected face.

Skills

- C# | .NET | C++ | CosmosDB | Azure Data Explorer | Python | Django | Javascript | React | Redux | NoSQL | Git
- CI/CD | JMeter | Databases | Data Factory | XUnit | Moq | OOP
- Microservices | Distributed Systems | Serverless | Azure | Backend | Full-Stack

Certifications

- Practical Machine Learning with Tensorflow, **NPTEL**