

# Parijat Prashun Purohit

[LinkedIn](#) | [GitHub](#) | [UVA Online Judge](#)

Location: Calgary, AB, Canada

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Highly skilled Python backend developer with over 5 years of experience in contributing to projects using Django and Flask Frameworks. Seeking opportunities to continue developing expertise in backend development and open to Frontend or Full Stack positions.

## TECHNICAL SKILLS

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**Languages** : C, Python  
**Frameworks** : Django, Flask  
**Database** : PostgreSQL  
**Version Control** : Github, Gitlab, Azure Repos (Azure Devops)  
**Dev Tools** : Docker, Celery, Redis, Casbin, WebSocket, RabbitMQ

## PROFESSIONAL EXPERIENCE

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### Intermediate Technical Developer

Jonah Group Ltd.

May 2022 – Feb 2023

Remote – Toronto, ON, Canada

- Designed and implemented a scalable backend architecture using **Docker** and **Django multitenancy**. The architecture utilized a single database with multiple schemas to enable efficient data isolation and management across different tenants. Authorization was implemented using **JWT tokens**, and the multitenant architecture utilized class-based permission controls.
- Developed the backend APIs for messaging and video appointment applications. The messaging application was implemented using **Websocket protocol** for real-time communication and **Redis** for in-memory caching. The online video appointment application utilized **Twilio's** RESTful APIs, contributing to the implementation of key features such as real-time video communication and scheduling management.
- Contributed to the **Equifax** identity verification microservice to analyze potential investor financial status using **Flask framework**. A similar microservice was developed that integrated with **Plaid** to enable linking of investor bank accounts and generation of summarized activity reports.
- Implemented permission policies using **Casbin** with the Pony adapter to ensure secure access control for a web application.

### Software Developer

Farmers Edge Inc.

Jan 2018 – May 2022

Lethbridge, AB, Canada

- Developed and implemented **RESTful APIs** for digital farming solutions using the **Django** framework. Collaborated with the team throughout the software development lifecycle, from planning and code review to QA testing, deployment, and bug fixing.
- Developed a microservice in **Flask** to retrieve hail and rain data from **IBM Weather APIs**, determined the location using geo data, and stored the information for insurance claim decision based on client's geometric data.
- Designed and implemented a notification system using **Celery** and **asynchronous programming** techniques that sends daily or event-based notifications to users based on their preferences.
- Worked on integrating **JohnDeere APIs** to fetch and store data from agricultural machines, and developed analytical tools to gain insights into machine performance and optimize farm operations using **OAuth** flow

## EDUCATION

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### University of Lethbridge

M.Sc in Computer Science

CGPA : 4.00/4.00

Lethbridge, AB, Canada

2015 – 2017

### Chittagong University of Engineering & Technology

B.Sc in Computer Science and Engineering

CGPA : 3.90/4.00

Chittagong, Bangladesh

2010 – 2014