Piyush Nalawade

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SUMMARY

I am studying as a graduate at Indiana University with 3+ years of startup experience. I am proficient at backend development in building highly reliable, scalable and maintainable systems.

TECHNICAL SKILLS

Programming: Python, C, C++, Nodejs, Javascript, Java
DevOps: CI, CD, Docker, Kubernetes, Helm, Terraform, ELK
Topics: Software Engineering, Distributed Systems, Object Oriented, Data Structures, Algorithms
Application Backend Frameworks: Django, Flask, Express
Database: MongoDB, MYSQL, PostgreSQL, DynamoDB, Redis

Version Control: GitHub, Gitlab, Bitbucket
Cloud: AWS, GCP
Event Driven: AWS SNS, SQS, Kinesis, RabbitMQ
FrontEnd: React, HTML, CSS
Test Libraries: Pytest, Mocha, Chai, Jest

WORK EXPERIENCE

CasaOne, Bangalore**,** India**: Senior Software Engineer**   **Dec 2019-May 2021**
- Implemented **transaction outbox log trailing event driven patterns** with **CDC via Debezium fetching MySQL logs** which helped to **ensure at-least once delivery** of async events.
- Developed **Cron Jobs** to **sync CasaOne products** with **Ad products** which led to a **10x increase in user traffic and 3x orders**.
- Developed various **microservices** like **wishlist**, **signing**, **wallet** microservice which had a **major impact on conversion of users.**
- Developed **credit microservice** to **eliminate 98% of fraudulent customers** which **helped in raising debt-financing round from Credit Suisse worth 50M$.**
- Volunteered in **hiring activities by interviewing candidates for SWE roles.**
- Developed **signing** and **credit multi tenant architecture microservices** to **support CasaOne and BureauOne businesses.**
- Maintained **95% test coverage** by following the **Arrange Act Assert (AAA) Pattern.**
- **Identified and reduced average API response time by refactoring legacy API using delegation and caching mechanisms.**

Exadatum, Pune, India**: Software Engineer**   **Mar 2019 - Sept 2019**
- Implemented backend of a travel application named **Gypsy** from the inception phase.

KOKO Networks, Pune, India**: Software Engineer**   **July 2018 - Mar 2019**
    Refactored the **authentication** logic of KOKO Core, which helped to fix some significant security bugs.
- Wrote **functional**, **integration**, and **unit test cases**, which led to an increase in test coverage from 70% to 80% and in turn helped developers to ship code with confidence.
- Integrated ODOO ERP to KOKO Core with **RabbitMQ** and **Celery** to automate the ERP and CRM; this led to efficient ERP by eliminating manual tasks for KOKO associates.
- **Versioned** API's to support **myKOKO** 2.0 application.

PERSONAL PROJECTS & OPEN SOURCE CONTRIBUTIONS

Palisadoes Foundation   **Summer 2021**
- Implemented **Request Tracing**, **Internationalization**, Error Handling in Talawa API.
- Mentored **GSOC** students in code reviews, system architecture, and clean code practices.

Rating Service   **Fall 2019**
- Developed a backend service which helped to calculate the average rating of products rated by users.

Smart Recruitment Systems: Smart India Hackathon   **Spring 2018**
- Contributed in backend and won Second Prize in Smart India Hackathon organized by the Government of India by designing an Application focusing on eliminating the issue of usage of storage space for saving candidate documents while applying for a job. Our solution introduced a secure connection to Digilocker, a vault for storing verified documents by creating a generic connector to it.

EDUCATION

Indiana University Bloomington, IN, USA **Fall 2021-Graduating in 2023**	**MS Computer Science**	**GPA: TBD**
Pune Institute of Computer Technology, Pune, India **Aug 2014-May 2018**	**BE Information Technology**	**GPA: 3.45**

ACADEMIC WORK EXPERIENCE

Associate Instructor   **Fall 2021**
- Helping Professor **Kurt Seiffert** for CSCI: C and Unix Programming Class

EXTRACURRICULAR

- Won Second prize in Smart India Hackathon amongst 400 teams across India in 2018.
- Won Second prize at Cummins COE in CodeWars and Reverse Coding in 2017.