Supriyo Paul

SENIOR SOFTWARE ENGINEER

CONTACT

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EDUCATION

2013-2017

BACHELOR OF TECHNOLOGY, COMPUTER SCIENCE
Mallabhum Institute of Technology

2011-2013

HIGH SCHOOL
D.A.V Public School

2000-2011

SCHOOL
De Nobili School

Certificates

AI for everyone, Deeplearning.ai

Protocol Buffers, Udemy

Data Structures & Algorithms, Udemy

System Design, Udemy

SUMMARY

- 👋 Hi, I'm @supriyopaul95 on LinkedIn 💼
- Software Engineer specializing in Python development, DevOps, and Automation Engineering 💻🛠️
- Currently exploring the realm of knowledge graphs and LLM frameworks 🧑‍💻📊
- Aspiring system architect 🏗️📐
- Passionate advocate for clean, maintainable code ✨🧹💾
- Tinkering with applibot.io my latest hobby project! 🚀🤖
- Hobbies include Badminton, Volleyball, watching Anime, and Docuseries 🏸🏐📺
- Favorite authors: Yuval Noah Harari and Paulo Coelho 📚✍️🧑

EXPERIENCE

H&M *Mar 2024-Present*

SOFTWARE ENGINEER II

- Developing an **Integration platform** to handle complex business objects to and from **PLM software, ERPs**, and other in-house applications making them available a standardized format for over 10+ downstream systems. This involves creating a configurable, **no-code workflow** to streamline and automate the process.

Jio Platforms Private Limited *Sep 2021- Mar 2024*

SOFTWARE ENGINEER II

- Engineered a comprehensive **Knowledge-graph platform**, encompassing **micro-services** like Schema, Data, and Search, to facilitate the semantic storage and retrieval of domain knowledge, enhancing data accessibility and interoperability.
- Spearheaded the **performance monitoring**, **scaling**, and **refinement** of **Knowledge Graph Services,** ensuring optimal scalability for **Big Data ingestion** and retrieval, and enhancing service reliability and efficiency.
- Provided **mentorship** on best practices and maintainability within the AICOE's AI Platform, fostering a culture of knowledge sharing and continuous improvement within the team.

Ajio *Sep 2019 - Sep 2021*

DEVOPS ENGINEER

- Engineered and deployed multiple robust clusters designed for **extensive log aggregation,** capable of processing over **7 billion records daily**, alongside conducting comprehensive load testing for the **in-house cloud infrastructure platform**, JAWS.
- Oversaw and optimized the scalability of **ELK and Kafka clusters** to accommodate the diverse operational needs across various Jio business units, ensuring seamless data flow and **reduced system latency**.
- Founded and led the **Tools & Automation team** at Ajio, implementing strategic automation solutions to streamline workflows and eliminate redundant tasks across multiple departments, enhancing overall operational efficiency.

Deepcompute LLC *Aug 2017 - Sep 2019*

ASSOCIATE SOFTWARE ENGINEER

- Collaborated with cross-functional teams to develop and enhance **open-source libraries** and modules such as logagg, basescript, deeputil, contributing to the creation of versatile and **reusable software components**.
- Played a pivotal role in application development and facilitated teams in **managing deployments** and **logs**, establishing and enforcing stringent benchmarks for **code quality** to ensure the delivery of robust and efficient software solutions.

SKILLS

TECHNOLOGIES & CONCEPTS

- System design
- Microservices
- LLM frameworks (RAG, Langchain)
- NLP
- Protocol Buffers (gRPC)
- Rest APIs (FastAPI)
- CI/CD
- Knowledge modelling
- OOPs
- Dashboarding

PROGRAMMING LANGUAGES

- Python
- Bash

DATABASES

- Postgres
- LanceDB
- ArangoDB
- ElasticSearch
- MongoDB
- InfluxDB
- Redis

DEVOPS TOOLS

- Linux
- Docker
- Kubernetes
- Azure DevOps
- GCP
- Ansible
- Elastic Stack (ELK)
- Prometheus
- Travis CI
- Kibana
- Grafana