PANKAJA AMBALGI

Software Development Engineer

✉ pankaja.ambalgi@gmail.com

📍 Beaverton, Oregon

EDUCATION

Master of Science
Information Engineering
University of Applied Sciences

📍 Germany

Bachelor of Engineering
Electronics and Communication
VTU

📍 India

SKILLS

Programming/ Frameworks

- Python
- FastAPI, Flask, Django
- MySQL, MongoDb
- Pandas, NumPy, Tensorflow
- AWS
- Docker, Jenkins, Kubernetes
- Terraform
- Java Script, HTML, CSS

CERTIFICATIONS

- AWS Cloud practitioner
- Project Manager Professional (PMP)
- Professional Scrum Product Owner (PSPO)
- ITIL Foundation Certificate in IT service management

WORK EXPERIENCE

Software Developer

UST Global for Intel Corporation

📅 May 2022 - current   📍 Hillsboro, Oregon

- Collaborated with product managers to design and implement a configuration system metrics application, capturing and analyzing test system data to provide actionable business insights.
- Built RESTful APIs using Fast API framework that served data to the java script front-end based on chosen user inputs that handled concurrent provisioning of n number of test systems.
- Tested software for bugs and operating speed, fixing bugs and documenting processes to increase efficiency by 18%.
- Secured microservices by leveraging Azure IAM and API services to reduce the dependency of external authentication services.

SDE/ AWS Cloud Solutions

SKF GmbH

📅 Jun 2019 - Apr 2022

- Developed IoT solutions leveraging AWS IoT services, encompassing data transfer, device management, and data generation for smart devices. This reduced the user intervention to 30% from complete manual setup.
- Built a comprehensive AWS Cloud solution offering centralized monitoring of smart devices across diverse geographical locations, providing a unified platform to track device status. This managed 20 devices located across 7 locations.
- Contributed to the seamless transfer of millions of machine data records to the AWS S3 cloud, facilitating their utilization by analysts for informed business decision-making.
- Ensured secure and reliable data transfer between devices and the AWS cloud, implementing authentication, authorization, and encryption mechanisms.
- Designed and implemented robust architectures utilizing AWS IoT services, AWS development tools and deployed containerized applications on the Edge devices(NAS) using Docker containers.

Software Developer

Acomodeo GmbH

📅 Apr 2018 - Apr 2019

- Integrated 10K inventories to one of the major back-end systems. Developed a micro-service using Spring Boot framework to communicate with the client using Retrofit library.
- Engineered a webhook service enabling customer notification subscriptions, facilitating real-time updates on inventory events. Implemented a robust message broker system using RabbitMQ to handle the broad cast of messages.

Data Analyst/ Team Lead

NTT Data Pvt. Ltd

📅 Sep 2011 - Jan 2016

ACTIVITIES

- Led the girls as the school girls captain for a year.
- Master of ceremony for two consecutive years at the cultural fest during my Master of Science.

DATA SCIENCE PROJECTS

Exploring world of Data Science and upskilling to stay updated with the market.

- [kaggle](#)

- Developed advanced SQL querying techniques to extract and manipulate data from various tables stored within SQL servers, leveraging telecom domain expertise to gather insights and focus on the development of new tariff plans for pay monthly and pay as you go systems.
- Orchestrated the configuration adjustments necessary to introduce and activate new tariff and price plans, driven by the analytical findings. Reduced the implementation time from 5 days to 3 hours by automating the implementation process using shell scripts, this streamlined updating of tens of thousands of rows.
- Ensured accuracy of 100% of generated Call Detail records by conducting thorough testing of the implementation by comparing pre and post data values in the affected tables.
- Led and coordinated a team of 6 offshore members, overseeing the implementation of Rater (Pay Monthly) and Nexus (Pay as you Go) requirements and met sprint objectives within designated timelines.