Sarthak Mahapatra

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EDUCATION

IIIT BHUBANESWAR
B.Tech. CSE | May 2018
GPA: 8.35 / 10.0

TECHNICAL SKILLS

LANGUAGES
- Java (SpringBoot)
- Python (Flask, Django)
- NodeJS (Express.JS)
- GoLang (Gin)

DATABASES/QUEUES
- PostgreSQL, Oracle
- MongoDB
- DynamoDB
- Redis
- RabbitMQ
- SQS, SNS

OBSERVABILITY
- Prometheus
- Grafana
- Datadog
- Cloudwatch
- Splunk

DEPLOYMENT
- Docker
- Docker-Compose
- ECS
- Github Actions
- AWS CodeDeploy

ACHIEVEMENTS

- **Excellence Award@Lowe's**: Recognized as the **key contributor** across the Enterprise Platform Architechture team at Lowe's(FY24-25).
- **TPA@Bayer**: Recognized as the **top contributor** across the Products and Platform team at Bayer(FY23-24).
- **Inspire Recognition Program@Dell**:**3x Bravo, 3x Applause, 4x Shout Out** awards in 2 years as part of a company wide recognition program.
- **Hackathon Winner@Dell**: Patented a framework enabling developers to capture errors and view solutions to these issues on Stack Overflow. (**USPTO Patent No : 10649836**).

PROJECTS

- **Stapl Money**: Co-founded Stapl Money, a cross-platform application which allow users to track and manage their personal finances.

EXPERIENCE

LOWE'S INDIA | Senior Software Engineer   Sept 2024 - Present
- Driving the development of a self-service vendor integration platform at Lowe's India, enabling seamless integration for vendors and marketplaces to expand access to Lowe's products and services.

BAYER | Software Engineer 2   Oct 2021 - Aug 2024

- Spearheaded the development efforts of the Product Platforms Team, focusing on building **digital farming solutions** aimed towards small holder farmers in APAC region using Bayer's flagship farmer facing application "**Farmrise**".
- Led end-to-end planning, technical design, and implementation for multiple features which contributed to increasing the **daily active users (DAU)** of the app to **60k+ users** and reaching over **1M+ active devices**.
- Spearheaded the technical design and implementation of an **anti-counterfeiting solution** within the app, integrating QR scanning functionality allowing users to verify the authenticity of their purchases.
- Orchestrated the system design and development of an end-to-end flow for the **image-based disease recognition feature**, enabling farmers to submit images for crop issue detection. Implemented an **annotation tool** using **Django** to facilitate verification of crop issue prediction by reviewers before sending advisories to users.
- Engineered a **data ingestion pipeline** employing **event-driven design** principles, seamlessly integrating with various cross-product teams to ingest their data. Leveraging **S3** as a data source and employing **RabbitMQ** for queuing mechanisms, the pipeline efficiently processes delta changes and generates reports for the ingested data.
- Developed a robust framework for managing **geospatial queries** utilizing **MongoDB** and seamlessly integrated it with multiple Spring Boot microservices. This initiative enhances user experience by providing **location-specific data** tailored to their needs.

DELL TECHNOLOGIES | Software Engineer   Jul 2018 - Oct 2021
- Led the development efforts for Business Integration Layer (BIL) team, responsible for managing the end-to-end lifecycle of **1 billion assets and over 5 billion entitlements** and provide services for multiple customer-facing applications such as "**dell.com**".
- Spearheaded the redesign of legacy systems into a modern **microservices architecture** during the Dell-EMC merger, enabling the processing of **14 million Dell-EMC products weekly**.
- Drove technical implementation of business-critical programs by collaborating with product owners, business leads, architects and cross-product engineering teams. Ensured functional accuracy, optimal code quality, and zero production bugs by breaking down business requirements into small user stories and integrating them into existing product architecture.
- Led redesign of code integration and deployment pipelines, reducing **Go-Live downtime by 20%**.
- Participated in an company wide **Extreme Programming** workshop to learn and advocate the adoption of **XP** practices within the team.