Akhila Ananth

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WORK EXPERIENCE

RBC Capital Markets   *5.5 years*
Software Developer   *August 2018 - Present*

T+1 Project:
- Facilitated SEC's adoption of the T+1 settlement cycle for DTC eligible securities, reducing settlement time from T+2 to T+1.
- Collaborated with the business team to create EODc files using Python, Airflow, and SQL DB, ensuring SLA compliance and significant cost savings.

Rabacus Collaborative Reporting Platform:
- Designed and developed frontend features for Rabacus using JavaScript and React.
- Developed and maintained features for the Rabacus Dashboard, utilizing JavaScript, Python Django Framework, GraphQL, and PostgreSQL.
- Led Agile/Scrum development cycles, ensuring on-time, high-quality software delivery, and enhancing team communication.
- Collaborated with product managers and designers to translate business requirements into technical specifications.
- Implemented efficient solutions on time and within budget.
- Mentored and guided junior developers, conducted code reviews, and identified performance improvements.
- Orchestrated containerized applications on Kubernetes clusters, ensuring robust scalability and high availability.
- Guided the production support (Run the Bank) team to ensure smooth deployments.

Data Fabric:
- Developed and maintained tracking tools for the transform layer of the ETL process using Scala.
- Collaborated with the QA team to ensure data transformation met expectations.
- Designed and established data modeling processes for hydration into the data lake.
- Participated in Agile/Scrum development cycles.

Leo: Symphony Chat-bot:
- Designed and developed a Symphony chat-bot answering financial queries using an existing NLP model, Java, and REST APIs.

Color Vision   *7 months*
Capstone Project   *September 2016 – April 2017*

- Developed a mobile Android application designed to assess the color compatibility of two articles of clothing using principles of color theory.
- Collaborated closely with a dedicated team of visually impaired individuals who volunteered their valuable feedback and insights during all stages of the development process.
- Implemented user-friendly features and an accessible interface, prioritizing inclusivity and usability.
- Demonstrated a strong commitment to user-centered design and accessibility, resulting in an application that serves a diverse audience.

EDUCATION

Carleton University
B.Eng. Software Engineering, Minor: Business

TECHNICAL SKILLS

Programming Languages: **Python** (Advanced)**, JavaScript** (Intermediate)**, Scala** (Basic)**, Java** (Basic)**, HTML, CSS**

Cloud Platforms: **AWS**

Web Development Libraries and Frameworks: **React, Django**

Database Management: **PostgreSQL, GraphQL, SQL, Dremio**

Distributed Systems Frameworks and Tools: **Docker, Kubernetes**

Continuous Integration and Version Control: **Git, Apache Subversion, Jenkins**

CERTIFICATIONS

Docker Containerization Essentials
MIRANTIS - 39249352
Learnt how to create and manage individual containers using the Docker Engine

Kubernetes Application Essentials
MIRANTIS - 58889257
Introduced Kubernetes container orchestration in the software development life cycle.

Kubernetes Native Application Development
MIRANTIS - 58889282
Learnt how to build containerized applications targeted for enterprise-grade production environments.

LANGUAGES

English, French, Kannada, Hindi