Sai Vythik Mankala

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript (Node.js), Go, Java, C++, C
Frameworks: React, Flask
Database: PostgreSQL, Prisma
Libraries and Tools: Git, Postman, Docker, Elastic Search, Airflow, Pandas, Numpy, OpenCV, PyTorch, Sklearn
Cloud(AWS): EC2, ECS, ECR, S3, DynamoDB, OpenSearch, Kibana, Secret Manager, Cloud Watch, Lambda, Sage Maker, Kafka
Software Development: Agile (Scrum/Kanban), SOLID, Design Patterns, Debugging, Root Cause Analysis, Testing, Deployment

WORK EXPERIENCE

Software Engineer
YEXT, Hyderabad, India   *Sept 2023*

- Engineered and maintained 50+ React and Soy component-based pages, enhancing user experience by 40% and ensuring 100% cross-browser compatibility through rigorous testing and optimization.
- Developed and deployed ETL pipelines in Go, processing over 500GB of client data weekly, ensuring data quality and consistency.
- Streamlined and developed Python crawlers to collect data from various websites, enriching the platform's search index and improving search results relevance.
- Led end-to-end development of multiple web pages, from initial concept to final deployment and QA.
- Identified and resolved data inconsistencies and display issues in React and Soy components, improving data accuracy and overall platform reliability.
- Collaborated with cross-functional teams (design, backend, QA) to deliver high-quality web applications.
- Migrated push notifications to AWS SNS, saving 98% in push-related costs

Software Engineer
Experian, Hyderabad, India   *July 2022 - Sept 2023*

- Designed and implemented a testing framework that reduced regression testing time by 90%, streamlining the development process and improving overall product stability.
- Successfully onboarded numerous clients, implementing tailored modifications, fixes, and enhancements to ensure seamless integration with the platform and maximize their value realization.
- Developed microservices to facilitate seamless data transfer from the main application to a dedicated service via Kafka, ensuring reliable storage in DynamoDB and S3 for further processing and analysis.
- Developed automated scripts to efficiently compare and analyze outputs from multiple teams, generating detailed reports that highlighted discrepancies and facilitated rapid issue resolution.
- Led the technical implementation of client migration to platform version 2, integrating Elasticsearch for efficient data retrieval and ensuring seamless continuity of service.
- Successfully delivered an asynchronous workflow that streamlined client onboarding and optimized data processing, resulting in increased operational efficiency and improved scalability for future growth.
- Collaborated with the engineering team to analyze and optimize hardware-software interfaces, resulting in improved system performance and reliability.

Software Engineer Trainee
CASPEX, Chennai, India   *Nov 2022 - July 2022*

- Successfully migrated the models from mainframe to AWS and ensured their functionality by running them on EMR.
- Helped senior engineers convert operational needs into technical requirement specifications.
- Produced, collected and reported on relevant metrics to show progress made.
- Built strong rapport with mentors and senior software engineers to maximise learning opportunities.
- Applied software engineering best practices with a security-first mindset.
- Offered adaptive coding support, using working knowledge of Python and SQL.

PROJECTS

- **QuickPay**, QuickPay is a lightweight digital wallet and payment platform that allows users to perform basic transaction, such as sending. GitHub

PUBLICATIONS

- Published paper with titled "Character Recognition using Perpendicular Distance on Sweep Line and Chi- Square Statistic as classifier" got accepted in International Conference on Innovative Computing Intelligent Communication and Smart Electrical System (ICSES -2021), an IEEE conference.   Link

EDUCATION

Kakatiya Institute of Technology and Science   Warangal, India
Bachelor of Computer Science and Engineering   *2018 - 2022*