

Ashley Primrose

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SUMMARY

Results-driven Software Engineer with a Bachelor of Science in Software Engineering and a strong foundation in Java, Python, and cloud-based development. Experienced in building efficient APIs, big data pipelines, and internal tools, with hands-on knowledge of digital advertising technologies. Adept at solving complex problems using data structures and algorithms while working across the technology stack. Passionate about developing scalable, high-performance solutions in cloud-native environments using AWS. Collaborative team player with experience in Agile development, DevOps practices, and sustainable software engineering.

PROFESSIONAL EXPERIENCE

FULLSTACK ENGINEER

UTD Senior Capstone – SE 4485 | Fellows Consulting Group | 08/2024 – 12/2024

- Created high-fidelity wireframes and prototypes in Figma to ensure consistency and usability.
- Developed interactive and responsive UI components in React and JavaScript, optimizing rendering performance and enhancing user experience.
- Implemented styling with CSS modules and Flexbox to create a visually appealing and consistent design system.
- Designed and managed database structures using NoSQL and MongoDB, executing queries to retrieve, update, and store knowledge base information.
- Integrated and tested RESTful APIs using Flask to enable efficient data flow between the frontend and backend.
- Participated in sprint planning, regular weekly stand-ups, and retrospectives to track project progress and iterate on deliverables within an Agile framework.

DATA PROCESSING SUPERVISOR

US Bioservices, AmerisourceBergen – Dallas, TX | 3/2019 – 10/2022

- Managed database operations and data governance.
- Led a team of data technicians to manually extract and process prescription data.
- Optimized workflows to improve efficiency and developed data-driven production schedules.
- Served as the primary contact (SME) for system support and database maintenance in ScriptMed.
- Analyzed team performance metrics to propose workflow enhancements.
- Used visualization tools to present team production and workflow improvements to senior management.
- Ensured strict adherence to data security protocols, accuracy standards, and HIPAA compliance.
- Emphasized data integrity and reliability in all processes.

CERTIFIED PHARMACY TECHNICIAN

Various Retail Pharmacies – Dallas, Texas | 9/2014 – Present

- Retrieved and counted pills or capsules for prescriptions.
- Compounded creams and capsules as needed.
- Entered sensitive patient data, ensuring patient and doctor information accuracy.
- Answered basic customer questions and provided timely information.
- Followed strict data security practices when handling protected health information.
- Ensured high adherence to HIPAA regulations.

TECHNICAL PROFICIENCIES

Languages: Java, Python, C++, SQL, JavaScript, TypeScript

Cloud & DevOps: AWS, CI/CD, Docker

Big Data & Databases: SQL, NoSQL, MongoDB

Software Development: API Development, RESTful Services, Microservices Architecture

Problem Solving & Algorithms: Data Structures and Algorithms, Optimization Techniques

Version Control & Collaboration: GitHub, Agile Methodologies, Code Reviews, Leadership, Communication Skills

EDUCATION & PROFESSIONAL DEVELOPMENT

BACHELOR OF SCIENCE SOFTWARE ENGINEERING | December 2024

University of Texas at Dallas

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RELEVANT PROJECTS

ETL Data Pipeline for Automated Data Processing *Estimated Completion 3.2025*

Skills: Python | SQL | Pandas | Apache Airflow | Google Cloud Platform (GCP) | ETL | Data Warehousing | API Integration | Data Visualization | NumPy | Matplotlib

Key Contributions:

- Designed and implemented an ETL pipeline to automate data extraction, transformation, and loading from multiple sources into a structured database.
- Developed Python scripts leveraging Pandas and SQL to clean, preprocess, and validate raw data, ensuring accuracy and consistency. Integrated third-party APIs for real-time data ingestion and scheduled data pipeline execution using Apache Airflow.

Client-Server Math Calculation Project

Skills Used: Java | Shell Scripting | Networking Protocols | HTTP | Team Collaboration

Key Contributions:

- Designed and deployed a client-server architecture to handle concurrent connections and process mathematical expressions.
- Created Bash scripts to simulate and validate client-server communication, ensuring adherence to protocols.
- Implemented threading for concurrent request handling, enhancing server-side processing efficiency.

Responsive Pharmacy Database System

Skills: SQL | MySQL | Java | CSV Data Integration | Database Design

Key Contributions:

- Designed and implemented SQL tables for patients, prescriptions, medications, and prescribers with optimized relationships using foreign keys.
- Developed a CSV data loading system for efficient import and management of large datasets in MySQL.
- Collaborated on features for prescription and inventory management to simulate real-world healthcare operations.
- Gained expertise in database design, SQL querying, and data integration for healthcare systems.