Mahelet Kassa

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SENIOR DATA / CLOUD SOLUTIONS ENGINEER | DATA ARCHITECTURE | CLOUD SECURITY | FULL-STACK DEVELOPMENT

Agile software engineer with 5+ years of experience designing and implementing secure, scalable data and cloud architectures. Proven expertise in modernizing legacy systems, developing cloud-based solutions, optimizing data platforms, and ensuring regulatory compliance. Experienced in leading cross-functional teams and mentoring interns, delivering production-grade full-stack and cloud solutions in highly regulated environments.

TECHNICAL SKILLS
Cloud & Security: AWS (S3, Lambda, RDS, CloudFormation), IAM, Network Security, Data Protection, Compliance, Cloud Migration, Microservices Architecture, Docker, CI/CD (GitHub Actions)
Programming & Data Platforms: Java 17, Spring Boot, Node.js, TypeScript, React.js, Angular, RESTful APIs, PostgreSQL, MongoDB
Other: Agile/Scrum, Scrum Master Certified, System Architecture, Data Governance, Full-Stack Development

EXPERIENCE
Software Engineer | Blue Cross Blue Shield
April 2020 - March 2025
- Designed and implemented cloud-based architectures for modernizing legacy systems using Spring Boot and TAS.
- Developed and maintained scalable data management platforms, ensuring security and compliance for sensitive information.
- Collaborated with cross-functional teams to develop, test, and deploy secure applications using React, Angular, Node.js, and Java.
- Implemented CI/CD pipelines and automated deployment workflows to improve efficiency and reliability.
- Managed and mentored interns: conducted technical interviews, evaluated coding challenges, guided them through project onboarding, development best practices, and career growth.
- Provided technical guidance on cloud security, data architecture, and compliance, fostering team-wide adoption of best practices.
- Contributed to the creation of monitoring tools and dashboards for API performance and data integrity oversight.

Website and Assessment Coordinator | Messiah College | Mechanicsburg, PA
August 2017 - May 2018
- Managed and maintained databases and web platforms, improving data integrity, accessibility, and user experience.
- Implemented strategies to ensure accurate and timely data collection and reporting.

Data Analytics Intern | HOPE International | Lancaster, PA
May 2017 - August 2017
- Collected, analyzed, and interpreted data to identify trends and correlations.
- Developed data-driven strategies that enhanced organizational decision-making and engagement outcomes.

Information Technology Assistant | Messiah College | Mechanicsburg, PA
January 2017 - August 2017
- Diagnosed and resolved system errors, maintaining secure and reliable IT infrastructure.
- Conducted system backups and maintained documentation to ensure data integrity and compliance.

PROJECTS
- Recipe Finder Application – React web app integrating Edamam API; PWA-ready, hosted on Netlify; modular components and responsive design.
- BEEHIVE – MERN stack app with real-time notifications (Socket.io), role-based authentication, and responsive UI.
- Full-Stack E-Commerce Platform – MERN + Redux application with complete shopping flow; deployed with AWS S3 and CI/CD pipelines.
- Restaurant Reservation Platform – React + Node/Express system with Twilio SMS confirmations and automated waitlist management; focused on secure and compliant data handling.

EDUCATION
Messiah College – B.Sc. in Business Administration and Technology Operations Management | Mechanicsburg, PA | 2018

CERTIFICATIONS
- Scrum Master Certified
- AWS Certified Practitioner
- General Assembly – Full Stack Web Development Immersive | 2019