Ameen Demiry (Mohamed Ibrahim)

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As a senior engineering manager with extensive experience in developing distributed and cloud-based solutions, I have a proven track record of leading teams to success by setting vision, coaching, and motivating team members. I excel in delivering high-quality solutions on time while balancing the 4Ps - Priorities, People, Product, and Process. With a strategic mindset, I am focused on identifying, isolating, and fixing complex issues to drive innovation and business value.

Areas of Expertise and Skills

- **Product Management**: Set product strategy, gather customer feedback, launch products, manage risk, conduct market research, create roadmaps, monitor the competition, prioritize features, collaborate with stakeholders.
- **Developing Strategy**: Skilled in SWOT and TOWS analysis, Product-Led Growth (PLG), Customer-Led Growth (CLG).
- **Financial Metrics**: ROI analysis, budget management, acquisition vs build analysis, Customer Value Management (CVM).
- **Marketing**: Customer-focused strategies, effective market research, intersecting with sales, delighting customers.
- **Leadership**: Communicative, strategic, resilient, trustworthy, empowering, accountable. Executive influence (evangelist, team edification), team lead (collaboration, team cadence), reputation (provide latitude, minimize obstacles).
- **Communication**: Cross-organization empathy, simple and engaging communication, motivating and engaging stakeholders. Activities include presentations, updates, meetings, managing stakeholders, informal gatherings, and customer communications.
- **Technical Skills**: Python, C++, Node, React, AWS, Azure, Generative AI, ML, LLM, RAG, full stack development, UI/UX design, API design, performance and reliability monitoring, test automation frameworks, front-end and back-end development, cybersecurity.

Certifications

- AWS Certified Cloud Practitioner
- AZ-900: Azure Fundamentals
- AI-900: Azure AI Fundamentals
- SC-900: Microsoft Security, Compliance, and Identity Fundamentals
- DP-900: Azure Data Fundamentals
- Alteryx Foundations
- Alteryx Machine Learning Foundation
- PMP Certified (Expired)
- Six Sigma Green Belt (Coursera) | 05/02/2024
- Privacy Law and HIPAA (Coursera) | 03/25/2024

Experiences

Senior Software Engineering Manager AI/ML, Moderna *06/2023 – 02/2024*

- Led a team of five, fostering trust and cohesion through clear rules and focused meetings.
- Developed mChat, a horizontal AI application, accelerating AI transformation by shipping new features every two weeks.
- Evolved the AI platform to support other teams in building more applications across Moderna.
- Spearheaded the development of a versatile Gen AI platform for cross-functional applications, implementing a secure API interface using ECS, S3, ChromaDB, and Weaviate.
- Added multi-model and multi-modality support, integrating Open AI functions for seamless web browsing, RAG, and image creation capabilities.
- Guided continuous deployment and refinement of Scrum practices, ensuring adaptability through regular reevaluation and testing with Cypress test framework.
- Contributed to an AI-centric culture, fostering proficiency through internal AI social groups and brownbags.

Engineering Manager, Tableau *09/2021 - 03/2023*

- **Shipped the Image Role Feature**: Led the design and execution of the Image role feature, collaborating across functions to secure project validation and value, significantly enhancing product capability and user experience.
- **Cloud Migration for Product Internationalization**: Migrated the on-prem translation pipeline to the cloud, improving the team's velocity and aligning technology across Tableau and Salesforce, supporting organizational strategy.
- **Visualization API SP2**: Developed and shipped Visualization API SP2, enabling third-party developers to create extensions and applications, expanding both the product and customer base.
- **Browser Everywhere Project**: Led the Browser Everywhere project, shipping a new side pane and a cross-platform context menu, making the experience better and uniform for all Tableau users.
- Built a multi-year team roadmap, aligning with business goals and ensuring timely project delivery.
- Transformed the team to be self-organized with assigned leadership for operations, quality, and feature development.
- Implemented lean startup principles (build-measure-learn) to boost velocity and morale.
- Prioritized customer bug fixes, reducing the bug ratio from 1:15 to 1:3, and saved $100K by deprecating rarely used tests with low fixed bug yield.

Lead Member Technical Staff, Tableau *03/2015 - 09/2021*

- Managed scope and timeline of projects for the Browser Everywhere team as Scrum Leader.
- Shipped SP1 of Browser Everywhere and implemented new hybrid unified UI for side pane across desktop (C++) and web (Script Sharp, vanilla JS).
- **Refactored Partition Model Producer**: Enabled new features such as headers and axes, supporting ongoing enhancements to the product.
- Built CI/CD pipeline for VPT and Qt teams, deploying C++, Emscripten, JS across Windows, OSX, and Linux, using TeamCity, CMake, and Python.
- Debugged JS performance and reliability issues in hybrid development across JS/C++ boundaries.
- Monitored, analyzed, and reported scalability of Tableau data engine (Hyper) using TabJolt, designing scalability scenarios, and resolving issues.

Software Development Engineer II, Microsoft *03/2007 - 03/2015*

- Designed and delivered features for Windows and Office on Apple OSX and iOS in a live, complex, and highly-scaled production environment.
- Led right-to-left (RTL) support in Office APEX, reimplementing Windows and Office code for Apple OSX and iOS.
- Designed and implemented Extensible Incident Detection Utility for SQL Azure.
- Built software testing programs to automate testing processes and recommended product improvements.
- Received Microsoft Gold Star Award in 2008.

Software Engineering Manager, Harf Information Technology (Egypt) *01/2001 - 03/2007*

- Led a team of 3 software engineers. Technical scope included Microsoft PocketPC and middle-tier web portals, business logic, and search engine integration.
- Developed a full-stack web portal using MVC architecture for a manuscript archive.
- Innovated a security solution for downloadable applications by creating a Win32 PE EXE encryptor/protector.

Education & Courses

- **Bachelor of Science (B.Sc.), Systems and Bio-Medical Engineering** - CAIRO UNIVERSITY, Cairo, Egypt
- **Containerized Applications on AWS** (Coursera) | 04/16/2024
- **Virtualization, Docker, and Kubernetes for Data Engineering** (Coursera) | 04/05/2024
- **Neural Networks and Deep Learning** (Coursera) | 04/14/2023
- **DevOps on AWS** (Coursera) | 06/24/2024
- **IBM IT Scrum Master Professional Certificate** (Coursera)