Ameen Demiry (Mohamed Ibrahim)

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Senior engineering manager with a robust technical background and a proven track record in developing and managing innovative solutions. Demonstrated product management skills through strategic product planning, customer-centric development, and cross-functional collaboration. Seeking to formally transition into a Product Management role to drive product vision and business growth.

Areas of Expertise and Skills

- **Product Management**: Product strategy, customer feedback gathering, product launches, risk management, market research, roadmap creation, competition monitoring, feature prioritization, stakeholder collaboration.
- **Developing Strategy**: 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, team edification, collaboration, team cadence, providing latitude, minimizing obstacles.
- **Communication**: Cross-organization empathy, simple and engaging communication, motivating and engaging stakeholders through 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.

Professional Experience

Senior Software Engineering Manager AI/ML, Moderna, [05/2023 – 02/2024]

- Led product strategy and development for mChat, a horizontal AI application, adopted by 75% of users, recognized in an investor call.
- Conducted market research and gathered customer feedback to refine product features and improve user experience.
- Managed the product lifecycle from ideation to launch, ensuring alignment with business goals and customer needs.
- Developed a versatile Gen AI platform for cross-functional applications, implementing a secure API interface using ECS, S3, ChromaDB, and Weaviate.
- 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, [07/2015 - 03/2023]

- **Images Everywhere (Image Role) Project**: Spearheaded the development and implementation of the Image Role feature, allowing users to dynamically map text strings to images in Tableau dashboards. This feature improved data comprehension by visually representing data, leading to enhanced user engagement and productivity. Successfully managed the launch of Image Role, now utilized for adding, aligning, reusing, and updating images in Tableau, keeping storage costs down and maintaining manageable workbook sizes (Tableau) (Playfair Data) (Flerlage Twins) (Tableau).
- **Browser Everywhere Project**: 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, TypeScript, Vanilla JS).

- **Visualization API SP2**: Grew the developer user segment by 30% by enabling third-party developers to create extensions and applications. Improved onboarding speed by 20%, making it easier for developers to start using the API. Increased the number of developer extensions/apps using the new API by 30% within a year.
- **Translation Pipeline Cloud Migration Project**: Migrated the on-prem translation pipeline to the cloud, improving the team's velocity and aligning technology across Tableau and Salesforce.
- 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.

- Refactored Partition Model Producer, enabling 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 - 07/2015]

- 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.

Education and Certifications

- **Bachelor of Science (B.Sc.), Systems and Bio-Medical Engineering** - CAIRO UNIVERSITY, Cairo, Egypt
- **Professional Certificates:**
  - Six Sigma Green Belt | University System of Georgia | 5/2/2024
  - AWS Certified Cloud Practitioner, AZ-900, AI-900, SC-900, DP-900
  - PMP Certified (Expired) | PMI | 9/18/2005
  - IBM AI Product Manager Professional Certificate | IBM | 6/25/2024
  - IBM IT Scrum Master Professional Certificate | IBM | 6/22/2024
  - DevOps on AWS | AWS | 6/24/2024
  - Containerized Applications on AWS | Coursera | 4/16/2024
  - Virtualization, Docker, and Kubernetes for Data Engineering | Coursera | 4/5/2024
  - Neural Networks and Deep Learning | Coursera | 4/14/2023