**Samuel Villa-Smith, MBA**

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**Summary**

Results-driven Technical Product Manager and seasoned Senior Software Engineer with expertise in mobile, cloud, and AI technologies. Proven success in aligning product strategies with business goals, leading cross-functional teams, and fostering innovation in product development. Proficient in stakeholder management, Agile methodologies, and product lifecycle management. Currently holds an MBA and is pursuing a PhD in Information Technology, with a research focus on artificial intelligence, machine learning, and natural language processing.

**Education**

* ***Doctor of Philosophy (PhD) in Information Technology*** (in progress, anticipated May 2025), University of the Cumberlands, 2021-Present***. Dissertation Focus***: Artificial Intelligence with Machine Learning and Natural Language Processing
* ***Master of Business Administration (MBA*)**, Liberty University, 2019
* **Bachelor of Science in Business Administration & Criminal Justice*,*** Liberty University, 2016

**Skills**

* **Product Management**: Requirements Gathering, Roadmapping, Prioritization, Atlassian (Jira, Confluence, Bitbucket), UX Design, UI Design, Figma, Strategic Planning, Hypothesis Validation, A/B Testing, 0-1 Product Development, Product Strategy, Product Launch, Cross-Functional Teams, Stakeholder Management, Metrics, Agile, Scrum, Kanban, Innovation Management, Market Research, User Engagement.
* **Mobile Technologies**: iOS, Android, Java, Swift, UiKit, Git, XCode, Android Studio, React Native
* **Data Science**: Data Analytics, Python, R, Numpy, Matplotlib, SQL
* **Software Engineering and Cloud Architecture**: JavaScript (React-Native, React, Redux, Node, Express), Microservices, Serverless Architectures, REST APIs, SonarQube, Checkmarx SQL, MongoDB, DBMS, Software Architecture, Cloud Architecture, Engineering Management, Engineering Strategy, : AWS, Lambda, DynamoDB, EC2, S3, SQS, SNS, ALB/NLB, CloudFormation, API Gateway, RDS, Aurora, CodePipeline, CloudWatch, CloudTrail, Kinesis, Oracle Cloud Infrastructure, Oracle Integration Cloud, Linux, Software Architecture Tools (Draw.io, Microsoft Vizio).
* **Containerization & Orchestration:** Amazon Fargate, ECS, EKS, Docker, Kubernetes.

**Certifications**

* ***CompTIA Security+*** (April 2019-April 2025)
* ***Amazon Web Services Solutions Architect - Associate*** *(July 2022-Jul 2025)*
* ***Digital Product Management Modern Fundamentals - University of Virginia via Coursera*** *(February 2023)*
* ***Product Management A-Z - Udemy*** *(March 2023)*

**Languages**

English (Native) • Spanish (Native) • Russian (Conversational) • Hebrew (Conversational) • French (Conversational) • Japanese (Basic) • Portuguese (Basic)

**Experience**

**Senior Mobile & Cloud Software Engineer, Oasis Technology and Engineering, LLC (August 2020 - Present)**

* Led the implementation and sustainment of a public-facing cross-platform, cloud-native mobile application for the US Air Force using cross-platform mobile and cloud technologies.
* Designed and oversaw the implementation of serverless and microservices-based architectures, including those employing popular cloud services such as AWS Lambda, Amazon DynamoDB, and Amazon Fargate.
* Collaborated with cross-functional teams to drive product changes, set priorities, and manage roadmaps to deliver business value.
* Improved application security and reduced overall costs through multiple architectural changes, resulting in increased end-user satisfaction.
* Acted as chief technical advisor, assisting engineers, developers, and project managers in evaluating, planning, and implementing critical architecture changes.
* Managed project milestones and deadlines using Agile Scrum and Kanban methodologies, ensuring timely delivery of product features and enhancements.
* Analyzed and reviewed code, metrics, and cloud infrastructure, recommending architecture, policy, and process changes where needed, acting as the chief advisor to project managers, government engineers, solutions architects, and the customer.
* Assisted in defining requirements, writing user stories, and prioritizing backlog items.
* Participated in selection of software vendors and led organizational adoption of Agile methodologies for stakeholders.
* Provided specialized engineering analysis and support to customers and subcontractor developers at critical business requirements and UX design meetings to assist in product discovery and customer problem solving.

**Freelance Software Engineer/Technical Product Manager, Masada Systems (Self-Employed) (June 2016 - Present**)

* Spearheaded the creation and launch of a revolutionary SaaS platform that enables businesses to optimize their user feedback processes. Continuously driving innovation and implementing user-centric improvements to enhance the platform's capabilities.
* Managed a cross-functional team of data analysts, web developers, and board of directors using Agile methodologies to plan, prioritize, and execute product initiatives for various clients.
* Led a major digital transformation and innovation effort for a non-profit organization, modernizing their IT infrastructure and processes to align with business requirements.
* Successfully migrated the organization's data to a cloud SaaS CRM and launched a new web app ahead of schedule, resulting in improved donor retention and increased overall efficiency.
* Achieved cost savings by resolving technical debt and increased the organization's legitimacy by implementing the new CRM solution.
* Led the implementation of new software solutions and process improvements that resulted in a more streamlined and efficient workflow.
* Provided network support to clients on a freelance basis and developed mobile/web applications as new products.

**Defense Contractor at Constellis Triple Canopy (September 2019 – August 2020)**

* Military Defense Contractor deployed to Israel on behalf of the United States Government.
* Willing to discuss this position and experience further at an interview.

**Specialist (E-4) - Civil Operator and [Information Technology Specialist, and Analyst at Texas Army National Guard (January 2017-September 2019)**

* Enlisted from June 2010, but Active Duty from January 2017. Released from Active Duty in September 2019.

**Civil Operator Role:**

* Met with C-Level Executives to foster inter-organizational relationships between community-based organizations.
* Made regular media appearances and engaged in public speaking for the benefit of military-civilian community relations.
* Built partnerships between military and civilian organizations to combat substance abuse and the reduction of demand for illegal drugs in the Texas panhandle region.
* Assisted, coached, led, and advised community-based organizations to help them frame their strategic directives to align with government best-practices.
* Assisted organizations with the US Military's strategic framework for coalition-building and guided and advised non-profit organizational leaders in the framework's correct implementation.
* Led community outreach, including synthesis of efforts between organizations, for the accomplishment of inter-organizational strategic goals and directives.

**IT/Analyst Role:**

* Served as unit information technology administrator Responsible for network design and security.
* Responsible for maintaining, processing, and troubleshooting military computer systems/operations.
* Responsible for data analysis and other organizational support tasks.