Olivia Kezirian, MPH MBA

Phoenix AZ   –   Olivia.Kezirian@gmail.com   –   949-460-3787   –   [LinkedIn](#)   –   [Website](#)

KEY SKILLS

AI & Machine Learning (ML) product development. Actionable use of data and AI in Healthcare. Experience developing software in a regulated space for clinical diagnostics (oncology, whole exome sequencing, population genetics). AI Product Incubation & Pilots. Product Vision & Roadmap Development. Cross-functional Team Leadership. Stakeholder Communication & Alignment. User Research & Data-driven Decision Making. AI/ML data Governance & Compliance. Medical Ontologies (OMOP). Predictive analytics, BI & Analytics Tools (Tableau, ThoughtSpot, Power BI). Atlassian Suite (JIRA, Trello, Confluence, Service Desk). HIPAA. Clinical research. Agile & Scrum Methodologies.

WORK EXPERIENCE

Helix Genomics   **Nov 2022 – Dec 2024**
Senior Product Manager   *Aug 2023 – Dec 2024*

- Led the development of AI-ready operational data models, integrating them with ThoughtSpot, Tableau, and internal AI engines to power AI-driven business operations and decision-making.
- Spearheaded the Cohort Browser MVP development from initial pitch through internal pilot and launch powered by AI/ML data pipelines. This tool empowers the user to explore clinicogenomic datasets and removes the need for an analyst to be involved. Reduced data return time from 5-7 days to less than 1 minute.
- Created the Helix Analytics Team bringing business intelligence, data science, and data engineers into one team focused on data-driven decision making. Work included building and automating data pipelines, establishing data governance policies, developing a data dictionary, standardizing key KPIs, migrating to Tableau Cloud, AI/ML model training, and predictive analytics.
- Launched quarterly partner-facing 'insight reports' providing research partner institutions actionable care-gap insights into their data collected at Helix. The analysis involved bridging medical and engineering domains to build a random forest model.
- Built an internal Analytics Portal using Jira Service Desk receiving over 100 tickets per quarter with 90% of tickets having a first response time of less than 4 hours. Systematically tracked recurring business problems and highlighted new AI/ML product development opportunities.
- Developed and launched high-value curated cohorts of interest tracking disease progression over time and selectively enriching datasets in areas of targeted clinical interest within cardiology, neurology, and immunology.

Product Manager   *Nov 2022 – Aug 2023*

- Product lead for the Research Platform team, creating high-performance cloud computing infrastructure for research and AI/ML applications and research-ready clinico-genomic datasets that are cleaned, quality-checked, and published quarterly.
- Defined the product vision, user persona, user journey, and end-to-end access patterns to create a trusted research environment and computational software managing highly sensitive research data. Created product roadmaps, aligned with OKRs, led scrum ceremonies, and led user research.
- Standardized data outputs and linkage patterns for complex multi-modal clinico-genomic datasets representing millions of records to ensure longitudinal data continuity.
- Co-led the Research Data Governance core team, bringing together cross-functional stakeholders from R&D, engineering, product, science, privacy, legal, compliance, business development, and the C-suite. Drove the implementation of data governance standards by providing stakeholders with visibility into team operations and proactively flagging potential risks during development.
- Two-time Helix Hackathon award winner - 2022 & 2024

Exact Sciences   **Nov 2019 – Sep 2022**
Senior Manager, Product Engineering   *Mar 2022 – Sep 2022*

- Product lead for Oncomap ExTra, a paired tumor-normal whole exome clinical diagnostic for late-stage oncology therapy selection. Worked closely with enterprise architecture and business leadership to manage and scale the 'sample to answer' process across seven enterprise software systems.

- Led cross-product initiatives and spearheaded process improvement for the R&D Software Development team. Activities include aligning multiple roadmaps, aligning software work with corporate OKRs, defining processes, writing work instructions and SOPs, identifying skill gaps, and training individuals.
- Notable product milestones include moving systems to AWS, launching a data lake on Snowflake and Databricks, deepening HL7 integrations to enable seamless ordering from Epic EMR, leading the post-acquisition software rebrand, moving to reference architecture, migrating to asynchronous message queues such as Confluent and Mulesoft, migrating to GitLab and enabling CI/CD practices, and establishing agile software development practices.
- Managed seven direct reports, including one manager.

Manager, Product Engineering   *July 2021 – Mar 2022*
- Successfully led the IT Integration project for the Ashion organization with Exact Sciences, coordinating work across twelve different workstreams. Coordinated timelines, engaged technical stakeholders, informed partners about upcoming changes, and created a highly collaborative cross-functional team.
- Worked as a product owner on three different software systems and drove requirements gathering efforts and backlog prioritization for each: defined release cadence, the scope of releases, and SLDC documentation requirements.
- Started the product engineering department and defined a niche for product ownership and software validation processes. Managed three product engineers.

Product Owner, Ashion Analytics (now a part of Exact Sciences)   *Nov 2020 – July 2021*
- Conceptualized and drove the product development process for Ashion's data lake project. Gathered end-user requirements, created requirements documents, developed process maps, and collaborated with technical leads on the architecture and design of the system. Approved product through all stage gates and started software development.
- Engaged vendors and negotiated pricing. Managed the process from initial discovery calls, vendor selection, cybersecurity evaluation, technical feasibility, contract execution, and installation.
- Directly managed two individual contributor validation specialists performing computer systems validation activities.
- Certified as a scrum master and implemented scrum processes within the software development teams.

University of Arizona College of Medicine-Phoenix   **July 2019 - Nov 2020**
Data Management Specialist   *July 2019 – Nov 2020*
- Hospital-based research epidemiologist primarily focused on kidney & liver transplant outcomes. Worked with physician-scientists to design studies and answer clinically relevant questions.
- Analyzed data from Cerner electronic medical records using SAS, STATA & SQL to create statistics for research, quality improvement, and program monitoring and evaluation. Managed research databases using REDCap.
- Published three peer-reviewed studies as the primary statistician.

Graduate Researcher, Johns Hopkins University, Baltimore, MD   Nov 2018 – May 2019
Intern, Center for Health Security, Johns Hopkins University, Baltimore, MD   Nov 2018 – Apr 2019
Business Analyst, Alphaeon, A Strathspey Crown Company, Irvine, CA   Jan 2016 - Jul 2016
Business Development Analyst, Strathspey Crown LLC, Newport Beach, CA   Jun 2015 - Jan 2016

EDUCATION

Masters of Business Administration (MBA)   University of Arizona Eller College of Management
        Concentration - Management of Information Systems (MIS)
Masters of Public Health (MPH)   Johns Hopkins Bloomberg School of Public Health
        Concentration - Epidemiology & Biostatistics
Certificate in Health Finance & Management   Johns Hopkins Bloomberg School of Public Health
Honors Bachelor of Science   University of Toronto
        Major - Genes, Genetics & Biotechnology;   Major - Psychology