

Karmen Kardum

Technical Product Manager / Product Owner | Developer Platforms & Developer Experience (DX) Architecture | Engineering-Led Product Strategy

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Professional Summary

Technical Product Manager and cross-functional technical leader with 16+ years bridging complex systems engineering, product roadmap strategy, UX architecture, and technical communication. M.Sc. in Computer Science paired with 8 years of end-to-end Product Ownership, including legacy-to-cloud platform migration, 28 enterprise releases, and documentation/product delivery for Fortune 500 and U.S. Department of Defense environments. Engineering background includes Python trading infrastructure, market-data pipelines, algorithmic trading systems, and SQL/data workflows, enabling technically credible product specs, UX decisions, roadmap tradeoffs, and stakeholder alignment with engineering leadership. 10+ years fully remote across distributed, multi-time-zone teams.

Core Skills

- **Product Management & UX Architecture:** Product roadmap, feature prioritization, product requirements, PRDs, requirements gathering, user research, acceptance testing, internal user testing, stakeholder alignment; Balsamiq, Figma, prototyping.
- **Developer Platforms, APIs & Infrastructure:** REST APIs, Swagger/OpenAPI, Postman, Docker, Linux administration, CI/CD pipelines, GitHub Actions, Git, GitHub, GitLab, system architecture.
- **AI-Assisted Prototyping & Developer Experience (DX):** RAG, vector search, LLM/agent frameworks, AI-assisted rapid prototyping, prompt-driven development workflows, developer onboarding, developer experience strategy, editorial planning.
- **Software Documentation:** API documentation, Docs-as-Code, administrator guides, user documentation, integration guides, release notes, migration guides, troubleshooting documentation.
- **Programming & Data:** Python, JavaScript, SQL, PHP; PostgreSQL, MySQL, MongoDB, Redis; data modeling, query optimization, ETL, data pipelines.

- **Algorithmic Trading & DeFi:** Algorithmic trading, trading bots, Hummingbot, CoinGecko API, DeFi protocols, smart contracts, on-chain analysis, market-data pipelines, backtesting.
 - **Methodologies & Tools:** Agile, Scrum, sprint planning, backlog management, backlog prioritization, roadmap planning; Jira, Basecamp, Confluence, Slack, Google Workspace.
 - **Domains:** B2B SaaS, DCIM / data center infrastructure management, network architecture, cloud computing, fintech, blockchain/DeFi, AI/ML.
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Professional Experience

Technical Consultant & Product Strategist — Predictor

Remote | 2016 – Present

Independent consulting across technical strategy, developer platforms, AI-assisted prototyping, and algorithmic trading systems.

Technical Consulting & Developer Platforms, 2024–Present:

- Applied systems-level technical analysis to build Docs-as-Code developer materials, product positioning, and B2B SaaS content strategy for infrastructure and AI clients. Combined AI-assisted drafting with technical editing, product/domain research, SEO research, stakeholder feedback, and brand accuracy.
- Designed and maintained developer documentation and tutorials for the Enthusiast e-commerce RAG / agentic-AI framework, including a Docusaurus Docs-as-Code developer portal, Docker setup materials, workflow tutorials, and developer onboarding content.
- Developed AI-assisted proof-of-concept and documentation workflows across portfolio projects, including Crypto_Alarm, a cryptocurrency alert-tracking project with Python/JavaScript implementations, CoinGecko API integration, alarm logic, and GitHub Actions/CI documentation.

Algorithmic Trading & DeFi Systems, 2016–2025:

- Developed, maintained, and monitored algorithmic trading bots for crypto spot/futures and traditional markets, including Hummingbot-based strategies, risk-management workflows, 24/7 monitoring, on-chain analysis, market-data pipelines, backtesting tools, and DeFi protocol risk/whitepaper research.

Product Owner, Enterprise SaaS Platform — Planet IRM

Remote | Jul 2015 – Jun 2023

- Owned product and UX collaboration for Planet IRM NexGen, a cloud-based DCIM / infrastructure-management platform serving Fortune 500 and U.S. Department of Defense clients; partnered with the VP of Engineering on roadmap, feature prioritization, product requirements, database/data-model design, and acceptance validation.
- Designed 125+ Balsamiq UI/UX mockups supporting the desktop-to-cloud migration, translating complex Object Model data architecture into usable workflows and product specifications for IT administrators, facility managers, network engineers, and technical enterprise users.
- Authored 1,800+ pages of production documentation across 28 product versions, including administrator guides, user documentation, developer documentation, API references, integration guides, in-product help, release notes, and migration instructions.
- Defined the API documentation approach using Swagger/OpenAPI; documented REST endpoints, integration workflows, and third-party enterprise integrations including ServiceNow, BMC Helix ITSM, and Fluke Networks LinkWare Live.
- Participated in daily cross-functional meetings across product strategy, engineering, architecture, QA, design, and backend development; conducted internal user testing and acceptance validation before production release.

Software Project Manager — i3Annotate

Remote | Mar 2017 – Dec 2018

- Led Agile delivery for a multi-platform touchscreen annotation application used in K-12 education and corporate training; managed a 6-person distributed engineering and QA team across iOS, Android, Windows, and Mac.
- Defined scope, milestones, prioritization, ceremonies, and cross-platform testing workflows, delivering from prototype to production on time and within budget while working 10–15 hrs/week alongside Planet IRM responsibilities.
- Tracked and reported KPIs, project metrics, delivery risks, and progress to executive stakeholders.

Software Developer — Neos

Remote | Jul 2011 – Jul 2015

- Built Python algorithmic-trading infrastructure and real-time market-data ingestion/processing pipelines; implemented trading signals, order-execution systems, SQL databases, and query-performance optimizations.

- Developed SCADA system components for public-lighting infrastructure management and ERP modules for business-process automation.
 - Wrote technical specifications and design documents for development teams.
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Education

M.Sc., Computer Science – Software Engineering — University of Split (FESB) | 2009 – 2011

Additional Information

Languages: English fluent; Croatian native.

Remote work: 10+ years across distributed, multi-time-zone teams; based in Croatia with strong EU/UK overlap and flexible U.S. collaboration hours.

Portfolio: <https://karmen87.github.io>