

## KARMEN KARDUM

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### PROFESSIONAL SUMMARY:

Results-driven Software engineer with a track record of managing research and development from planning, design and prototype to customer release stages. Over 14 years of work experience and diverse skill set, spanning across Product Management, UX/UI Design, Technical Writing, and Project Management, product research and data analysis. Seeking a challenging role to leverage skills and deliver impactful results.

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### SKILLS (Tools/Software):

- Software Product & Project Management (Jira, Teamwork, Basecamp, Google Analytics, BambooHR, Microsoft Project)
  - UX/UI Prototype & Design (Balsamiq, Figma, Canva, Photoshop, Illustrator)
  - Technical Writing - API documentation, UI frameworks, integrations, developer and customer audience deployment workflows (Dr Explain, Swagger, Wikipages, GitBook, Docusaurus)
  - Development & DevOps (SQL, Python, Docker, AWS, GCP)
  - Data Analytics (Python, SQL, Grafana, Google Analytics, Jupyter, MATLAB)
  - Machine Learning (TensorFlow, PyTorch)
  - Blockchain & Web3 (DeFi, tokenomics, algorithmic trading, Hummingbot)
  - Languages: English (Fluent)
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### EDUCATION:

2009 - 2011 | University of Split, FESB

Master of Computer Science - Software Engineering

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### PORTFOLIO:

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

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### WORK EXPERIENCE:

[Predictor](#) | Software/Blockchain Consultant | On demand 2016-2020, Jul 2023 - Present

- Conducted analysis of market data using ensemble methods to predict short term performance of trading models in current market regime.
  - Performed discretionary and algorithmic trading through CEX and DEX venues. The algorithmic trading was executed through Hummingbot and proprietary infrastructures for company and client accounts. It encompassed market making, arbitrage, hedging with options, and synthetic flow strategies.
  - Used RPC nodes, SQL/RDBMS and Python to analyze on-chain data (TVL, liquidity, order flow)
  - Developed Python-based data pipelines for blockchain analytics and trading bots.
  - Performed research in various technical and economy fields to evaluate or help early stage crypto projects. My work was mostly related to macroeconomy, tokenomics and technical feasibility of projects.
  - Remotely managed company BTC and altcoin mining farm (algorithm selection, HVAC, power management, liquidation)
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[Planet IRM](#) | Software Product Manager / Technical Writer / UX Designer

| July 2015 – June 2023

- Worked as product owner and cross functional team member on UX/UI prototype, documentation, and testing
- Performed product and tech research in various stages of project to ensure full user requirement support and compliance with latest standards and practices in infrastructure

management industry

- Written and maintained version controlled product documentation encompassing user facing and internal, developer oriented materials.
- Created UI & UX mockups and collaborated with stakeholder and development teams to ensure correctness and ease of implementation
- Performed usability and acceptance testing to ensure product meets stakeholders expectations

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[i3Annotate](#) | Mar 2017 - Dec 2018

Software Project Manager

- Led Agile development of a multi-platform touchscreen application for business and education from prototype to completion, delivering on time and within budget.
- Managed multiple development and tester teams and collaborated with them to estimate work efforts, define milestones and manage resources.
- Established and maintained testing workflows and validation processes to ensure all newly developed features work according to design and specifications and integrate seamlessly with existing software
- Created project budgets, forecasts, and invoicing documents
- Worked with a Client Partner and Engineering Lead to manage client expectations, tracked dependencies, and resolved issue escalations
- Tracking project financial performance against baseline expectations on assigned projects and client deliveries
- Served as collaborator between technical and non-technical departments and the client to ensure that all targets and requirements are met.

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Neos | Jul 2013 - Jul 2015

Software developer

- Developed and maintained market data and software infrastructure for algorithmic trading
- Participated in implementation and improvement of algorithmic trading strategies and portfolio optimization process using quantitative techniques
- Developed, maintained and improved reporting pipelines used for simulation, paper trading and live trading performance analysis.
- Performed integration of Java with Matlab logic to facilitate production and research statistical analysis
- Managed fully automated algorithmic trading account (monitored live trading systems through dashboards, performed daily financial data processing and managed live trading monitoring team)

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Neos | Jul 2011 - Jul 2013

Junior Software developer & tester, Neos

- Supervision control and data acquisition system for public lighting - technical and user documentation, frontend controls Implementation, product quality control, software component testing
- ERP solution for yacht rental service and maintenance company - gathered and written functional and nonfunctional requirements from project stakeholders, built project specification, defined project milestones and planned delivery dates under incremental build model, UI design, defined high level software architecture
- Finance markets research and development - Mql5 (C-based), .NET integration - Windows Named Pipes interprocess communication for application communication and data sharing