

Matthew Arcidy

Kickstarter's VP of Engineering

Objectives

Observe and learn from those engaged with and dependent on Engineering to assess current processes, problems, concerns, and preferences. Work with individuals and teams to realize the most efficient and optimal approaches for the short, medium, and long term. Evangelize a culture of self evaluation and evolution with business and personnel needs. Implement proved methods to increase engineering output without sacrificing enjoyment. Offer structure or freedom to individuals to promote excellence and personal growth. Tailor project and product management tools to the culture and environment to allow for flexibility and for the best processes to emerge

Experience

2013–Present **Founder**, *Arcidy Computational Services*, New York City, NY.

Provide consultation and innovation services for any problems related to the function and business of computation

- Design operation and business process for a Top 4 consulting firm's crowdsourcing unit, including work-flows and analytics
- Investigate and model statistical relationship between economic news events and volatility indices

2010–2013 **Associate**, *JPMorgan*, New York City, NY.

System Strategy and Implementation

- Develop, implement, and support systems for risk, profit and loss, and cash flow projection calculations
- Release Management
 - Lead change control for business critical infrastructure
 - Organized transition from quarterly release cycle to Continuous Integration
 - Prioritized git branches and merges
- Product Management
 - Desk-wide ownership for Risk and Profit/Loss(PL) reporting
 - Re-engineered QA infrastructure to add first-level break analysis to automated tests
 - Developed mathematical approximation for regulatory risk requirement
- Project Management
 - Managed interface between management's Waterfall and engineer's Agile project management styles
 - Overhauled change controls and change management for compatible with Agile and Continuous Integration projects

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- Designed, developed, delivered, and tested Front to Back PL and Risk reporting python framework requiring computationally correct, performant, and reusable reporting modules written in a proprietary framework called Athena, utilizing a customized object oriented database
- Determined minimum acceptable scope by limiting feature creep and challenging stakeholders in order to meet aggressive deadlines
- Relationship Management
 - Encouraged team adoption of Agile methodologies
 - Rebuilt team's reputation after an implementation failure
 - Worked up management chain and across business lines to develop critical production capabilities
 - Assertive and confident when descoping, deprioritizing
 - Achieved reputation for creatively solving problems and dealing with difficult personalities
- Quality Management
 - Motivated adoption of test driven design
 - Improved pre-release tests which decreased the number of false positives and increased information content of failure reports, enabling for faster error analysis
 - Established test and release procedures for new reporting module which went live with zero defects in production

2007–2010 **Consultant**, *Murex*, New York City, NY.

System Strategy and Implementation

- Managed a portfolio of software implementation projects
- Represented software products internally and externally to educate users and promote sales
- Release Management
 - Migrated several client specific products to single master branch
 - Approved final sign-off for client deliverables
 - Rejected low quality developments and releases
- Product Management
 - Financing Product Manager(Americas)
 - Debt Market Product Specialist
 - Self directed research to gain edge in product market
 - Specified system module re-engineering to meet client and market practices
 - Demonstrated products to prospective and existing clients
 - Pitched new modules and architecture which improved testing work-flows, reduce human costs, and improved client satisfaction
- Project Management
 - Lead for all Front office financing products implementation for my client portfolio, including UI/UX, Risk and PL reporting, automatic trade booking, and pre- and post-trade work-flows
 - Redesign and implement new testing processes to remove test obstacles, decrease testing time, and increase test coverage and quality
 - Design and Implementation of UI/UX modules on-site for clients

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- Relationship Management
 - Gained reputation for handling difficult clients and turning around unhappy users
 - Cooperated on multiple client and product teams
 - Managed resource competition and client priorities
 - Provided agency for client or Murex to optimize utilization of resources
 - Resolve conflicts between product development and project deliverables
 - Query end users and develop feedback process to enhance overall product
 - Negotiated with end users to gain final approval for project deliverables
 - Quality Management
 - Write and automate tests for hard-to-automate application functionality
 - Advocate unit testing, which was against philosophy at the time
 - Decreased testing time across company by standardizing processes
- 2003–2007 **Engineer**, *Boston University, Physics Dept.*, Boston, MA.
 Ran a portfolio of engineering projects of varying scope and scale
- Built and maintained compute clusters for physics applications
 - Designed, prototyped, and built waveform digitizer for particle detectors
 - Designed and fabricated aluminum enclosures and face-plates using AutoCAD
 - One of 4 full-time Engineers

Education

- 2006–2007 **Master of Science: Financial Mathematics**, *Boston University*, Boston, MA, 3.4.
 Study the tools and models of operational and investment decisions under uncertain conditions
- Stochastic Models
 - Decision Theory
 - Operations Research
 - Analytics and Forecasts
 - Real Options
 - Optimization
- 2000–2004 **Bachelor of Science: Electrical Engineering**, *Boston University*, Boston, MA, 3.2, Cum Laude.
 Theory and application of electrical and electronic systems
- Very Large System Design
 - Control Systems
 - Software Engineering
 - Project Management

Technology

Microsoft

- Outlook
- Excel+VBA
- Project
- Visio
- Word

Linux

- Debian, LFS
- LibreOffice
- LaTeX, Vim

Database

- Postgresql
- Oracle
- SQLite
- MongoDB
- HDF5

CAD

- OrCAD
- AutoCAD
- FreeCAD

Programming

- Python
- R
- C/C++/Java

Scripting

- bash
- HTML, CSS, XML
- Javascript/JQuery

Source Control

- git
- svn

Python Packages

- | | | | |
|--------------|-------------|---------------|-------------------|
| ○ pyramid | ○ distutils | ○ pandas | ○ selenium |
| ○ sqlalchemy | ○ nosetests | ○ matplotlib | ○ subprocess |
| ○ chameleon | ○ coverage | ○ numpy/scipy | ○ multiprocessing |
| | | ○ pytables | |

Personal

- Ask me about my website idea!
- I love to ride my bikes (plural, though not at the same time), whether it's banging around the city, up to Bear Mountain, or out to Montauk. Cycling is very much my Zen garden.

Kickstarter Recruitment Team
Kickstarter, 58 Kent Street, Brooklyn, NY 11222

August 10, 2014

To the Recruitment Team at Kickstarter

Thank you for considering me for the position of VP of Engineering, and allowing me to tell you a bit about myself and how I would help you grow your company.

Thank you, and hoping for the best,

Matthew Arcidy

Attached: Resume

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