

Michael DeFelice

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Summary

"Michael is off-the-charts technical, and does an excellent job asserting his viewpoint across the organization ... [he] is an innovator and stubbornly pushes for change despite internal lethargy and resistance ... [he] is a good peer. People like to work with him and frequently loop him into their activities. He is eager to help out, curious and focused on delivering results, so he adds value wherever he goes." - Klee Kleber as SVP, Rackspace

Technical Skills

Data science in Python

- Primarily using the numpy, pandas, scikit-learn, xgboost, and keras packages; Google BigQuery; Apache Spark

Product incubation on Google Cloud

- Primarily using its Kubernetes, App Engine, Datastore, Pub/Sub, and Cloud Functions services to deploy web apps and APIs; expertise also with Flask, Hugo, Bootstrap, HTML, javascript, and JQuery

Work Experience

CyberFortress

Jan 2018 - Present

As Co-Founder & CTO, I am responsible for all R&D & technical operations for an insurtech startup focused on building a new kind of cyber insurance policy for e-commerce businesses.

Key contributions include:

- Building an ML-based underwriting model that determined a company's risk of downtime in seconds from just an email address
- Developed a method for continuous, internet-scale data collection across hundreds of thousands of ecommerce domains & thousands of technology features
- Worked with our Product Lead & UX developer to launch a downtime risk score offering

Jungle Disk

May 2016 - Present

As Principal Data Scientist I worked closely with the CEO on strategic growth opportunities.

Key contributions include:

- Modeling & managing IB price changes that significantly contributed to revenue growth in a shrinking market
- Performed financials analysis, modeling, and forecasting. Explored customer growth behaviors & digital marketing performance over time (incl. per-channel LTV)
- Wrote & automated the delivery of custom reports that continuously present the business's KPIs
- Developed IP; filed patents on key initiatives & areas of development; also performed technical due diligence for strategic acquisitions
- Built & integrated our digital marketing, lead gen, and sales operations platforms

GoodTokens

Apr 2013 - Apr 2017

As the Technical Co-Founder, I developed the product strategy & built the backend services for an HR & culture management platform.

Rackspace

Jun 2010 - May 2016

As a Principal Architect, I was responsible for the diligence & build of incubation projects; prior to this, I worked in Corporate Development performing technical due diligence on M&A, investments, partnerships, and post-merger integrations. As Chief Infrastructure Services Architect, I led architecture for the Managed Storage, Backup, and Virtualization product lines.

Key contributions included:

- Incubated the Google Apps for Work at Rackspace preview offering. Determined its market & product requirements. Designed & developed the systems for customer account provisioning, metering, billing, and integration into Google's reseller services
- Incubated the Microsoft Private Cloud & Office 365 offerings
- Supported the ZeroVM, Exceptional Cloud Services, and Object Rocket acquisitions & integrations
- Built a team to create & vet the technical designs that comprised the Rackspace Managed Storage & Data Protection product offerings - working closely with & across the Product, Support, and Infrastructure Operations teams to evolve our enterprise solutions portfolio

Tesoro

Feb 2006 - Jun 2010

As an Enterprise Architect, I was responsible for the design of the company's data center storage, server, virtualization, and backup technologies in an environment keen on continuous availability and minimizing costs; prior to this as a Systems Engineer, for the technical operations of these systems.

Strategic Business Systems

Oct 2004 - Feb 2006

As a consultant, I represented Dell - delivering highly-available storage & server solutions to enterprise clients across the country.

Presentations

- [*Unsolicited Advice on Working as a Data Scientist*](#)
- [*Six Thoughts on Bringing a Software MVP to Market*](#)

Education

- *1999 - 2003*: Ursinus College; BS Computer Science

Volunteer Experience

- *May 2017 - Present*: Mentor at RealCo
- *Feb 2017 - Present*: Volunteer with Moms Demand Action for Gun Sense in America
- *Jun 2016 - Present*: Volunteer as a music teacher - teach music theory, guitar, and ukulele