MICHAEL THOMAS DEFELICE

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SKILLS: Data Science, Product Incubation, Technical Due Diligence

Applied Data Science
Primarily using the *numpy*, *pandas*, *scikit-learn*, *xgboost*, and *tensorflow* packages; *Google BigQuery*, *Pub/Sub*; *Apache Spark*

Product Incubation on Google Cloud
Primarily using its *Kubernetes*, *Cloud Functions*, and datastore services to deploy web apps and APIs; expertise also with *Flask*, *Django REST Framework*, Go, *Vue.js*, *Gridsome*, *JavaScript*, *HTML*, *CSS*, *Bulma*, *Bootstrap*

RECENT WORK EXPERIENCE

Co-Founder & CTO, CyberFortress; 2018 - Present

Responsible for R&D, scaling, technical operations, and the talent pipeline for an insurtech startup focused on building a new kind of cyber insurance policy for ecommerce.
- Built an ML-based underwriting model that determines a company's risk of an outage in seconds from just an email address; worked with actuaries & specialists within the insurance industry on its validation
- Developed methods for continuous data collection, storage, and aggregation across hundreds of thousands of ecommerce domains
- Completed a $3.2M seed round co-led by Greycroft & Live Oak Venture Partners
- Built the company's *Risk Modeling*, *Product Engineering*, and *Product Operations* practices - which included the development of the company's customer-facing insurance platform and its partner- and regulator-facing reporting components

Principal Data Scientist, Jungle Disk; 2016 - 2019

Worked closely with the CEO on strategic growth opportunities.
- Modeled & managed 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)
- Developed IP; filed patents on key initiatives & areas of development; performed technical due diligence for strategic acquisitions

Principal Architect, Rackspace; 2010 - 2016

As a Principal Architect, I was responsible for the development of incubation projects with the goal of seeding new practice areas for the business; 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*, *Data Protection*, and *Virtualization* product lines.

PATENTS

1. Vulnerability Profiling Based on Time Series Analysis of Data Streams
2. Generative Text Using a Personality Model
3. Natural Language Generation Using Pinned Text and Multiple Discriminators

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EDUCATION

Ursinus College; BS, Computer Science; 1999 - 2003