

Gerald McCollam

Full-Stack DevOps
Data Engineer
Project Manager

Linked in /in/geraldmc



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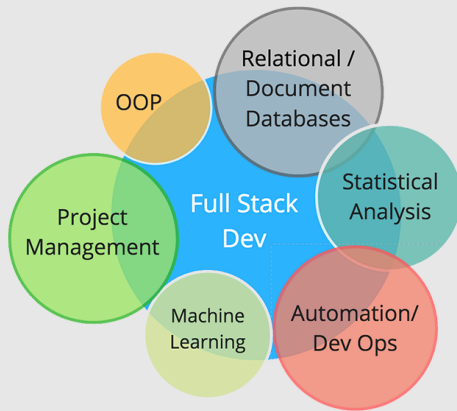


<https://geraldmc.github.io/>



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Skills



Interests

Cloud Development (AWS or Google)

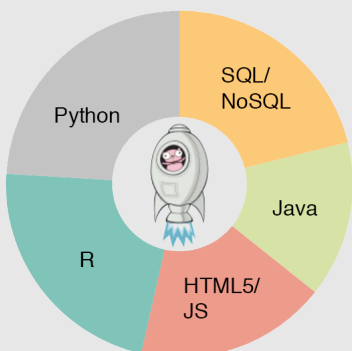
UI Design

Data Science

Statistical Analysis

Data Engineering and Architecture

Languages



Education

2017 - 2019

(Expected)

MS, Bioinformatics

Baltimore, Maryland, USA

Current GPA: 3.7/4

Specializations: ML, Graph databases, Data science

Johns Hopkins University

1993 - 1997

BS, Cognitive and Computer Science

New York, NY, USA

Founder's Day Award 🏆

New York University

Research

2016 - 2018 **Grant Writer, Project Manager, Developer**

UNO/USDA

- Conceived and managed a 2-year USDA Producer Grant on sucrose yield using hyper-spectral imagery captured via aerial drone.
- Architected a "genotype-to-phenotype" graph database for use in mapping phenotypic abnormalities to known genes.
- Refactored a simulation codebase using R hash tables/C++ for a 1000-fold gain in performance.

Experience

Jan 2011 -

Present

Co-Founder, Data Architect & Full Stack Developer

Openmine LLC

- Data management and analysis at scale.
- Web/cloud services automation.
- API development.

Sep 2006 -

May 2010

Solutions Architect

Bladelogic/BMC

- Principal architect for clients Pfizer, Novartis, Merrill Lynch, and Vanguard.
- Code contributor to Bladelogic's automation suite for provisioning and managing cloud services.
- Technical trainer, client advocate.

Jan 2003 -

June 2006

Senior Consulting Engineer

EDS/Hewlett-Packard Enterprise

- Developed and supported automation tools for PaaS and DevOps integration.
- Managed a distributed team of network, dba, site-reliability, and sysadmin support engineers for 24/7 operations.
- Consulting Engineer to clients Time-Warner, Reuters, MSNBC, and Columbia University.

Jan 2001 -

Jan 2003

Consulting Engineer

Loudcloud

Founded by Marc Andressen (Andressen-Horowitz) Loudcloud invented cloud computing through development of its Opsware server provisioning and automation suite.

- Client-facing Consulting Engineer to Estee-Lauder, Univision, ATT.
- Conceived and developed an automated 'runbook' methodology to build and deploy full-stack applications based on predefined configurations.