Gerald McCollam

Full-Stack DevOps
Data Engineer
Project Manager

Linked in /in/geraldmc

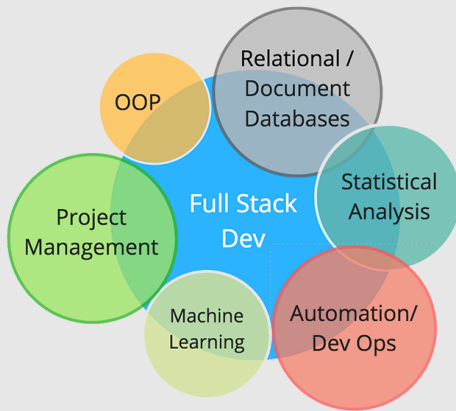+1 504 717 5177

https://geraldmc.github.io/

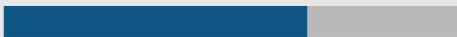gerald.mccollam@gmail.com

Skills

Interests

Cloud Development (AWS or Google)

UI Design

Data Science

Full Stack Dev

Data Engineering and Architecture

Languages
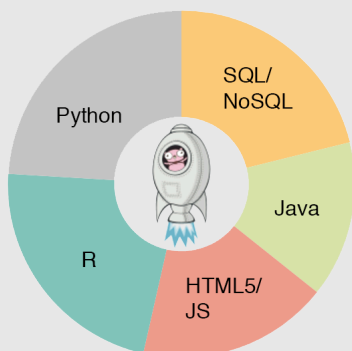
Education

2023	**MS, Bioinformatics**	Johns Hopkins University

Baltimore, Maryland, USA
GPA: 3.81
Specializations: Machine Learning, Plant Genomics, Single cell

1993 - 1997	**BS, Cognitive and Computer Science**	New York University

New York, NY, USA
Founder's Day Award 🏆

Research

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

- Conceived and managed a 2-year USDA Research Grant on crop yield using hyper-spectral imagery captured via aerial drone.

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Experience

Jan 2011 - 2018	**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 service architect for Pfizer, Novartis, Merrill Lynch, and Vanguard.
- Code contributor to Bladelogic's provisioning and cloud services infrastructure suite.
- 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 configuration templates.