

Daniel Micah Bergey

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Experience

LOGICAL BUILDINGS

Head of Software Engineering

NEW YORK, NY

2017-2019

- Launched SmartKit app on Web & iOS, now in 1200 buildings
- Automated real-time readings from 1000 sensors in 150 buildings
- Led company-wide security audit, adoption of password managers, 2FA
- Set up zero-downtime deployments, provenance tracking, SLI monitoring

JET.COM

Software Engineer

HOBOKEN, NJ

2016-2017

- Designed & implemented static analysis tool for F# code to flag incorrect use of libraries
- Led development of in-house web app for system monitoring, SLO reporting, & RCA
- Wrote schema validation library to protect against injection attacks
- Built Android & iOS apps for last-mile delivery

FRIENDS CENTRAL HIGH SCHOOL

Computer Science Teacher

WYNNEWOOD, PA

2015-2016

- CS1 - web programming - HTML, Javascript, functions, arrays, objects, loops, SVG
- CS2 - software engineering tools - polymorphism, FP, inheritance, git, Haskell, Java

DIAGRAMS

Maintainer

[HTTP://PROJECTS.HASKELL.ORG/DIAGRAMS](http://projects.haskell.org/diagrams)

2013-2016

- Contributed path interpolation algorithms, Harfbuzz text layout, and 3D primitives
- Wrote backends for reactive SVG, HTML canvas, and OpenSCAD

THE HACKTORY

Instructor

PHILADELPHIA, PA

2012-2016

- Developed curriculum for and taught 10-week middle school class *How Things Work*
- Taught Python, data visualization, sewable circuits, Scratch, Raspberry Pi, Linux CLI

BUILDING SCIENCE CORPORATION

Architectural Engineer

SOMERVILLE, MA

2008-2013

- Wrote Python and Fortran code for physics simulations as part of ASHRAE RP-1449
- Analyzed data from temperature & moisture sensors (5 years & 2 million readings)

Skills

Backend	C C# F# Fortran Haskell Java Lisp Perl Python Rust
Frontend	HTML CSS Javascript Typescript Angular React Opengl
Infrastructure	Linux Git Kubernetes PostgreSQL InfluxDB Nginx TLS

Education

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Bachelor of Science in Art and Design

CAMBRIDGE, MA

2008