

# KRISHNABH MEDHI

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## Work Experience

### Valdera | *Founding Engineer* \_\_\_\_\_ 2021 - Present

- Developed product vision with founders—Designed and implemented Valdera's web application architecture ground up to deliver immense customer value. Exceeded shareholder expectations through several rounds of funding.
- Led the team through dozens of successful feature releases directly resulting in customer success: auth, catalog, negotiation, org-management, messaging, access-control, etc, all with no security incidents or customer-impacting outages.
- Stewarded Valdera's technology stack through several iterations of from demo to small-scale production monolith to a mature scalable service oriented architecture.
- Fostered long-term engineering vision, best-practices (technical and operational), culture, and in-house talent—empowering junior engineers to grow into leaders.

### Qualtrics (SAP) | *Software Development Engineer* \_\_\_\_\_ 2018 - 2021

- Implemented a precalculation and data enrichment solution with a customizable visualization used by thousands of employees across several hundred companies.
- Developed XM products enabling BMW dealerships to remedy customer concerns.
- Managed relationship with Marriott Corporate building+maintaining ETL pipelines.

### Amazon | *Software Development Engineer* \_\_\_\_\_ 2016 - 2018

- Retrofitted a large payload storage system in Amazon's high-throughput distributed data store optimized for small payload storage. This improved availability and latency metrics for mission-critical upstream services like catalog, cart, and checkout.

### Nvidia | *Tegra Software Intern* \_\_\_\_\_ 2015

- Administered a continuous integration server and implemented load-balancing, version control and install/update automation.
- Created a data-visualization tool to aggregate and display device test metrics.

### Qualcomm | *Software Engineering Intern* \_\_\_\_\_ 2014

- Developed tools for tracking and testing software builds: UI to configure test suite and schedule/trigger test-runs, live notifications, and build/test results lookup.

### Office of Indiana State Chemist | *Applications Engineer* \_\_\_\_\_ 2012 - 2014

- Digitized paper-based workflows with web applications with cache-and-sync technologies for use on the field with unreliable connectivity, and in the lab/office by officials of the state's agriculture authority.

## Education

**Purdue**, West Lafayette, IN

Major: **Computer Science**

Minor: Sociology

## Side Projects

### FlossFinder

<https://medhi.xyz/flossfinder>

A mobile-friendly web app for cross-stitchers and embroiderers that can extract a configurable number of colors from any image and match them with the closest thread color codes from the leading thread manufacturer.

### Cocktail Compendium

<https://cocktails.medhi.xyz>

A multi-platform web app where the user can enter ingredients they have and receive recipe suggestions from a curated list of cocktails.

### Phone 3D Controller

An Android application that turns a smartphone into a remote controller that can be used to manipulate 3D objects on a laptop/desktop screen.

## Community

### Free Knowledge Project,

**Founder** - A teaching community rooted in the belief of the freedom of knowledge.

### University Place Tech Support -

Helping the elderly at a retirement home with technology adaptation.