

KRISHNABH MEDHI

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Work Experience

Valdera | *First Hire, Founding Senior Engineer* _____ **2021 - Present**

- Developed product vision with founders- anticipated customer needs, exceeded shareholder expectations. Designed Valdera's engineering architecture ground up.
- Grew and led the team to dozens of successful feature deliveries directly resulting in customer success: auth, catalog, negotiation, org-management, messaging, access-control, etc, all with no security incidents or customer-impacting outages.
- 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 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**

- Developed 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 University 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

Uses smartphone accelerometer (via HTML5 DeviceOrientation) to manipulate 3D objects on the screen. Uses socket.io, three.js.

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 issues.