

# Robert Hummel

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## Artificer, Solutions Architect, Full Stack Engineer

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### Experience

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#### Solutions Engineer

Meta: Facebook, Instagram, WhatsApp

Sep 2017 - Feb 2022

- Launched several features within Meta/Facebook that have Annual Run Rates  $\sim$  \$1B in the commerce space
- Tailored business strategies for the largest North American Companies in the Retail, CPG, Health, and Grocery Verticals, leading to tens of millions in incremental dollars and double digit incremental YoY Growth
- Headed a Circular Plastics Economy Initiative as the Lead Engineer, the results of which were presented in a United Nations conference
- Spearheaded, implemented, and iterated on the technical onboarding guide for Instagram Shops to hit aggressive adoption numbers
- Designed, Implemented, and Tested an employee dashboard for goal-tracking, impediments, and impact for the 14-person team. This included plans to scale to the rest of NA GBG,  $\sim$ 80 employees. The end goal was to use these metrics in performance summary cycle reports to reward employees

#### Engineering Consultant

Beheld3D

June 2017 - August 2018

- Managed development lifecycle to successfully deliver on an ambitious launch demonstration with an aggressive timeline
- Designed and implemented the full stack, from databases for 3D scans, to the network traffic of raspberry pi computers, to the front-end application to store print options and checkout

#### Full Stack Engineer

Capital One

June 2016 - August 2017

- Developed a centralized error module for the FXIT currency trading division to parse log files and send real-time updates, and act on million-dollar trading errors automatically
- Managed projects by writing user stories, managing sprint tasks, prioritizing features for MVP iterations, and documenting the backlog
- Created a demo for Intellex, Capital One's Proprietary mobile commercial banking application in Android, securing headcount for the project
- Worked with Fabric.io and Crashlytics through Jenkins for continuous integration and development, avoiding significant downtime during the migration away from Dagger injection for our files

#### Engineering Consultant

SCS Analytics and Freelance

August 2016 - December 2016

- Developed an application heavy in Java, XML, and Bash to track and automate orders for business, interface with Third Party Vendors and Inventory Systems, send advanced shipment notifications, and log errors using e-commerce API GoEcart and MySQL databases
- Designed, implemented, tested, and launched front-facing websites in the e-commerce, performing artist, content creation, and personal blog spaces - using Heroku, NodeJs, Express, Postgres
- Managed and launched a \$100k Kickstarter for a band without a record label

#### Undergraduate Researcher

Massachusetts Institute of Technology Magnet Lab

May 2014 - September 2014

- Modeled axisymmetric mirrors, Wolter mirrors, and partial ellipsoid and hyperboloid mirrors orthogonal at their optical center to optimize for high-resolution low-cost medical imaging through experimental collimation techniques

### Education

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Massachusetts Institute of Technology

2013-2016

Software Engineering, Algorithms, Data Structures, Computation Structures, Discrete Math, Literature

### Additional Skills

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- Languages: Python, Java, JavaScript ES6/ Typescript, PHP, HTML, CSS, C++, SQL, NoSQL, Bash, Visual Basic
- Platforms: Amazon Web Services(AWS) and S3, Android, RESTful APIs, Docker, Jira, Selenium, Google Cloud Platform (GCP), Heroku and its CLI
- Frameworks: AngularJS, ReactJS, NodeJS, ExpressJS, Flask, Django
- Tools: IntelliJ IDEA, Visual Studio Code, Eclipse, Understand, Atom, Nuclide, Git, Mercurial, Linux, Wireshark