

# Michael Meding

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## Education

### **Masters** Computer Science

University of Massachusetts Lowell  
May 2016

### **Bachelors** Computer Science

University of Massachusetts Lowell  
May 2015 (With Honors)

## Proficiencies

### Languages

Python ●●●●●  
NodeJS ●●●●●  
JavaScript ●●●●●  
Java 7 & 8 ●●●●●  
C/C++ ●●●●○

### Databases

PostgreSQL ●●●●●  
MySQL ●●●●●  
AWS RDS ●●●●●  
InfluxDB ●●●●○  
MSSQL ●●●●○  
MongoDB ●●●○

### Web Technologies

AWS CloudFormation ●●●●●  
AWS EC2 ●●●●●  
AWS Lambda ●●●●●  
AWS ECS ●●●●●  
ReactJS ●●●●●  
AngularJS ●●●●○  
Redux ●●●●○

### Other

Docker Applications ●●●●●  
Linux Administration ●●●●●  
Agile Scrum Methods ●●●●●  
VIM ●●●●●  
Solidworks ●●●●○  
Fusion 360 ●●●●○  
ROS ●●●○

## Experience

### Senior Software Engineer

Foundation Medicine Inc.

July 2019 - Dec 2022 as Engineer III | Dec 2022 - Present

- Built a centralized document storage system that became the central EMR document store for the company. This served thousands of users and external partners and was built using NodeJS and Fastify
- Professionally trained in Confluent Kafka and regularly give training sessions to other groups at the company.
- Created an internal synchronization tool to migrate the entire company from Microsoft CRM to Salesforce CRM

### Lead Software Developer

Zea Biosciences | Sep 2018 - June 2019

- Created an intelligent plant growth and facilities management system. The system is a 3-tier SPA design using Django and ReactJS technologies.
- Integrated existing systems data into an InfluxDB time series database for live plant condition analysis.
- Handled all linux systems administration and software deployment.

### Senior Software Developer

Efacto Power | Jan 2017 - Aug 2018

- Designed a cloud-based big data time series for storing and analyzing patterns in energy. This design leveraged the power of Hadoop and the OpenTSDB framework.
- Managing product development and production of the IoT gateways and sensors. This involved all aspects of the manufacturing processes from product development to production.

### Software Developer

Outsmart Power Systems | Aug 2015 - Dec 2016

- Created a content management system for maintaining business related customer data on the web. This included responsive web design elements for both mobile and desktop using AngularJS.
- Built a websocket-based IoT communication platform using Java.
- Designed responsive D3 charts for in depth analysis of data collected from IoT sensors.