

# Freeman W. Smith

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www.freemansmithdev.com  
github.com/freemanwsmith3

## Education:

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<b>Harvard University</b> , Master's Degree, Software Engineering	<b>May 2022</b>
<b>Purdue University</b> , Bachelor's Degree, Mechanical Engineering	<b>May 2015</b>
<b>Harvard University</b> , Data Science Certificate	<b>January 2021</b>
<b>Kollmorgen</b> , Servomotor and Drive Training Program, 6 weeks	<b>July 2015</b>

## Work Experience:

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**Nufactur** [www.nufactur.com](http://www.nufactur.com) **April 2022 to Present**  
Founder/CEO

- Founded search engine where users can find the best price and delivery on industrial components
- Independently developed web application and APIs using **Python, Django, HTML, CSS, and Javascript**
- Managed customer and distributor data with **PostgreSQL, AWS S3, AWS EC2, Heroku**, and custom **Python ETLs**
- Grew business using **SEO, Hubspot CRM, Google Search Console, and Google Analytics**

**CKD USA** Schaumburg, Illinois **December 2018 to April 2022**  
Technical Support Engineer- (National Sales Manager: Keith Conley)

- Championed mechanical line by supporting customers, training sales staff, and demonstrating products
- Designed and developed pneumatic product sizing tool using **Python and Javascript**
- Programmed and troubleshoot pneumatic systems, direct drive servo motors, and electrical actuators

**IMAC Motion Control** Elgin, Illinois **June 2015 – September 2017**  
Field Engineer- (Chief Executive Officer: John Krzeski)

- Implemented servo motor based automation systems for original equipment manufacturers
- Maintained relationships with existing customers and supported equipment in the field

## Projects: More examples available at [www.freemansmithdev.com](http://www.freemansmithdev.com)

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**Educational Platform for Teaching Computer Science** **May 2022**  
[https://github.com/fekimx/code\\_breaker](https://github.com/fekimx/code_breaker) | [www.code-breaker.io](http://www.code-breaker.io)

- Created custom components and REST APIs using **Python, Django REST Framework, and React**
- Handled all testing with **Selenium, Jest, and CI/CD**
- Designed and managed database with user authentication using **Django models and Postgres SQL on Heroku**

**Crowd Sourced Football Research Application** **August 2022**  
<https://github.com/freemanwsmith3/thefaablab> | [www.faablab.app](http://www.faablab.app)

- Developed **React** web application with **Python and Django REST Framework and Material-UI**
- Maintained over 5000 daily users with **Heroku, AWS EC2, and PostgreSQL**

## Technical Skills:

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- Languages: **Python, Java, React, Javascript, HTML, CSS, SQL, R**
- Frameworks and Libraries: **Django, Bootstrap, Material-UI, Numpy, Jest, Selenium, Scrapy, Pandas, Keras**
- Tools: **AWS EC2, AWS S3, Heroku, PostgreSQL, MySQL, Git, Linux, Docker, Hubspot, SEO, Kanban, CI/CD**
- Other: **SEO, Google Search Console/Analytics, Technical Writing, Fluent in Spanish and American Sign Language**

