

# Nicholas Dullam

## Development Lead

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[ndullam.com](http://ndullam.com)

## Awards & Honors

**Presidential Scholarship**, Purdue University, 2019 - Present

**Dean's List & Semester Honors**, Purdue University, 2019 - Present

## Skills

### Languages

Javascript	Python
C++	Java
C	R

### Dependencies & Frameworks

React.js	Express.js
Node.js	JWT
Stripe	SciPy
Pandas	NumPy

### Databases

MongoDB	SQL
Redis	GraphQL

### Platforms & Software

Heroku	Figma
AWS	AWS
S3	

## Education

### Purdue University, West Lafayette, IN

Bachelor of Science, Computer Science  
(Machine Intelligence), May 2023

Bachelor of Science, Data Science, May 2023

Bachelor of Science, Applied Statistics,  
May 2023

Certificate of Entrepreneurship, May 2023

## Experience

May 2022 - Aug. 2022, **Software Engineer Intern**, Visa, Highlands Ranch, CO

- Contributed to the VIP middleware department's migration to GCC 7
- Resolved ~800 errors/warnings in the middleware production codebase spanning >140 programs
- Fixed 96% of critical errors (in 3 months) found at compile time
- Developed effective and scalable C++ solutions for compile-time resolutions
- Adjusted and implemented an MQ functional entry for use in production configs
- Logged and documented production code changes over six work efforts
- Contributed to testing documentation, using VPARS, VM3, and PARSEM
- Wrote, tested, and loaded code in a TPF production environment
- Worked alongside SMEs for affected programs to configure test plans and review code changes
- Maintained communication among senior development and SMEs for ongoing solutions
- Presented work and findings to department leadership

May 2020 - Present, **Development Lead**  
Sustainably, Remote

- Facilitated the full-stack (MERN) development of the SaaS Web App, Sustainably
- Created and managed a documented backend REST API for custom authentication and microservices
- Developed scalable database schema through MongoDB
- Designed and implemented user-forward in-app experiences
- Fabricated custom acquisition, checkout, and subscription management through the Stripe API
- Managed pull requests and version control of a GitHub Organization

Aug. 2016. - Mar. 2018, **VP of Engineering**  
Communcode, Westfield, IN

- Designed profile preference generation and weighting procedures
- Researched and developed a K-nearest neighbors based matching algorithm using Python
- Oversaw development of publish and subscribe methods with GCS