

Nicholas Dullam

Development Lead

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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	GCP
AWS	

Education

Purdue University, West Lafayette, IN

Bachelor of Science in Computer Science, Data Science, and Applied Statistics [conc. Machine Intelligence], May 2023

Certificate of Entrepreneurship, May 2023

National University of Singapore, Singapore

Study Abroad, Jan. 2022 - May 2022

Experience

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

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

Aug. 2016. - Mar. 2018, **VP of Engineering**, Communicode, 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 GCP