

Software Engineer

Dan-Luk.com

DAN LUK

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EDUCATION

The Ohio State Univer:

2002 - 2008

- M.S.E. in Aeronautical/Aerospace Engineering, Dec. 2008.
- B.S.E. in Aeronautical/Aerospace Engineering, May, 2006
- Relevant Coursework and Technologies: Numerical Methods, MatLab, Fortran, Version Control, Linux

The Ohio State University

Graduate Researcher

2006 - 2008

- Published M.S.E. thesis on Computational Fluid Dynamics analysis of heat flux over turbine blades in collaboration with three faculty members.
- Deployed legacy Fortran code to implement numerical analysis and data structures.

Certification: Full Stack Developer professional certification

Technologies

- JavaScript:
 - React / Redux
 - Node.js
 - Express.js
- HTML/CSS
- SQL/PostgreSQL
- C, C++, Python

Competencies

- ≠ Web applications
- ≠ Rest API
- ≠ Git & GitHub
- ≠ Test-driven development
- ≠ Data Structures
- ≠ Algorithms
- ≠ Big O Time & Space

Concepts

- Development lifecycles
- Agile Methodology
- Design patterns:
 - Façade
 - Builder
 - MVC

Technical project: eCommerce store project (2023)

- Features: shopping cart, add/remove buttons, purchase via stripe.
- Model View Controller design pattern. Implemented react hooks. Easy debugging through TypeScript.

EMPLOYMENT

Pastor

Reliant

2009 -2022

Leadership Team

- Cultivated donor relationships, resulting in over \$1.2M in donations for organization's operational budget.
- Launched excel database to maximize employee engagement with guests.
- Launched a new branch at another campus and added 30 new members to our organization
- Recruited, trained, and evaluated 40+ leaders in facilitating community groups to promote increased retention.

SKILLS

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- Enthusiastic Learner
 - Organizational strategy
 - Delegates responsibility
 - Public speaking

- ∄ Providing critical feedback
- ∄ Collaboration (team-first mentality)
- ∄ Creative problem solver
- ∄ End user focused