Erik Aadalen [in]

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Minneapolis, MN ◎

Body of Work 🖥

ERIK AADALEN

Software Engineer
Web Developer
DevOps Engineer

PROFILE

Web developer with background in mechanical engineering. Skilled in HTML, CSS, JavaScript, and Python. Proficient in Autodesk SDKs, including Revit, AutoCAD, and Navisworks – using C#. Strong experience in technologies such as React and Angular. Very open to create innovative concepts and factoring new technologies into daily work.

SKILLS & TOOLS

Front-End:
- HTML, CSS
- JavaScript, Python, C#
- React, Angular, Django

Back-End & Databases:
- REST API
- MongoDB
- PostgreSQL
- MySQL

Autodesk SDKs:
- Revit, AutoCAD, Navisworks

AWS Cloud Services:
- EC2, ELB, VPC

HOBBIES

- Guitar
- Ultimate Frisbee
- Chess
- Trivia

PROJECTS

- **NV5 Database** – Online database containing project information for NV5. Allows users to search for projects keywords instead of foraging through windows explorer. Use "hello123" for the username and password to access the site. Created in React, utilizing Node.JS, Express, and MongoDB as the tech stack.
- **Riddle Unscramble** – Fun word game inspired by Wordle. Created in React, utilizing Node.JS, Express, and MongoDB as the tech stack.
- **Spelling Survival** – Fun online game that lets users test their spelling skills and compete for the high score. Created in React, utilizing Node.JS, Express, and MongoDB as the tech stack.

EMPLOYMENT HISTORY

Software Engineer II | NV5 | St. Paul
December 2022 – Present

- Created a searchable NV5 database to locate projects faster, improving workflow efficiency by 30%
- Utilized Autodesk SDKs to develop Revit/BIM tools to increase productivity

Software Engineer I | NV5 | St. Paul
September 2021 – December 2022

- Developed internal tools to increase productivity
- Created an automatic pipe size calculator, duct size calculator, and HVAC equipment sizer that was used throughout the company by HVAC engineers

EDUCATION

Full-Stack Web Development Bootcamp | CareerFoundry
May 2021 — September 2021

B.S. in Mechanical Engineering | University of Minnesota
September 2017 – May 2021