Ian Gottheim, PE
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LinkedIn | Github | Blog

FULL STACK SOFTWARE ENGINEER/LICENSED CIVIL ENGINEER

Experienced in Ruby on Rails and JavaScript based programming with a background in civil engineering design and project management. I am seeking a position where I can combine my prior technical design and problem solving experience through civil engineering, with my programming experience, to contribute to an organization's success while enhancing my practical and industry knowledge.

TECHNICAL SKILLS

Software Engineering: Ruby on Rails, Javascript, React, CSS, Github, SQL, WebSockets, MongoDB, Python, Vue
Civil Engineering: Stormwater management design, Grading design, Project management, Zoning/entitlement research, Scheduling, Contract management, AutoCad Civil3D
Certifications: Professional Engineer (North Carolina License #054696)

TECHNICAL PROJECTS

Flatiron Open Source- Github | https://flatironopensource.com/
- Web Application created using html and javascript files provided upon graduation. The site re-creates the internal web interface provided during Flatiron Bootcamp course.
- Front-End: React and DaisyUI
- Back-End: NodeJS and CloudFlare
- Python library BeautifulSoup used for formatting/scraping bootcamp provided graduation files

Flatiron Miscord - Github | Render:(*https://taskforcev2.onrender.com/*)
- Live Messenger Application using React (front end) and Rails(back end)
- *Renamed from TaskForceV2 to Flatiron Miscord during implementation*
- Implemented WebSockets using ActionCable
- Implemented Authentication using Bcrypt
- Deployed website to render.com to allow for users on multiple computers during initial demonstration of app

TaskForce- Github (front end) | Github (back end)| Render: (https://task-force-react.onrender.com/)
- Organizational To-Do App designed for work around the house
- Uses React for front end and Ruby(Sinatra) for back end work
- Site allows for multiple users and includes authorization and encryption using Ruby gem Bcrypt

EXPERIENCE

Bohler   Bowie, MD & New York, NY
Sr. Design Engineer   06/2018 - 08/2022
- Completed zoning research to create compliant designs within jurisdictional requirements
- Site civil grading, stormwater management design, utility design based on jurisdictional requirements and Client goals
- Attended Community Meetings and Zoning Hearings
- Led weekly Architect/Engineer/Client meetings for projects to keep design tasks on schedule
- Prepared contracts, change orders, and billings for Clients
- Selected to an annual emerging leaders program (1 of 14 employees)

Balfour Beatty   Fairfax, VA
Sr. Project Engineer   08/2015 - 05/2018
- Estimated and bid construction projects, ranging from $100,000 to $20,000,000. Work included new construction and renovations.
- Ran day to day project management services on active construction sites, including quality control for subcontractors, budget management, contract preparation, and billing management.

EDUCATION

Flatiron School   New York, NY
Full Stack Web Development, Ruby on Rails and JavaScript   08/2022 - 11/2022

University of Virginia   Charlottesville, VA
B.S. Civil & Environmental Engineering   05/2015