Jake Thurman
Senior Software Engineer

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WORK EXPERIENCE

HighGear

Senior Software Engineer   *Feb 2023-Present*
- Build and design complex user interfaces.
- Optimize complex SQL database queries.
- Observe customers to find product improvement needs.
- Owned decisions of balancing business value, user value, and technical value.

Software Engineer   *May 2019 - 2023*
- Participated in technical support rotation.
- Designed, planned, and implemented complex features.
- Developed full stack, with user interfaces, complex compiler-centric backends, and SQL performance considerations.
- Tackled difficult bugs and performance regressions.
- Designed interface using Balsamiq for mockups, including multiple rounds of feedback and iteration with stakeholders.

Software Intern   *Jun 2014 - 2019*
- Worked in a large codebase.
- Used git for effective source control and team collaboration.
- Developed new features, and added test coverage.

PROFICIENCIES

Languages
SQL, C#, F#, SQL, JavaScript, TypeScript, Java, Bash, HTML/CSS, SASS, Bash, Python, C++, C

Tools
React, Redux, webpack, .NET Web API, MVC, WebForms, Swagger/OpenAPI & REST APIs, Node.js, git, Balsamiq

Skills
User Experience (UX), Machine Learning & AI, Software Planning & Estimation, Accessibility, Unit Testing, Integration Testing, Documentation, Open Source

EDUCATION
Grove City College '19

Major in Computer Science (BS)
 + Minor in Mathematics

GPA 3.48 | MQPA 3.72

Notable Coursework

Machine Learning, Artificial Intelligence, iOS Programming, Web Programming, Parallel Programming, Data Structures & Algorithms, Computer Architecture, Database Management, Functional Programming, Networking, Computer Security

INTERESTS

Biking
I bike for transportation and exercise as often as I can. My Trek hybrid bike is my daily driver.

Running
My favorite race I've run is the Frederick Running Festival's Half Marathon.

Music
I play lead guitar and lead the sound team at my church.