Joshua Hansen

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Education

Michigan Technological University   *Houghton, MI*
BS Software Engineering   *Fall 2015 - Fall 2019*
- **Vice President** - Humane Interface Design Enterprise
- **Relevant Coursework :** Concurrency, Model Driven Development, Software Quality, UI/UX Design, Systems, Linux System Admin., Algorithms, Data/Discrete Structures, Calculus II, Linear Algebra

Experience

Next Era Analytics   *St. Paul, MN*
Software Engineer   *July 2022 - Current*
- Implementing new features along a full-stack system for scheduling software written in Angular and Kotlin
- Satisfying customer and stake holder requests for performance and stability with our microservices and databases

Target Corporation   *Brooklyn Park, MN*
Software Engineer   *Jan. 2020 - July 2022*
- Utilizing a kubernetes runtime to manage several thousand applications running across all Target stores
- Implementing new solutions for our containers such as creating a highly specialized Linux OS for our in-house needs

Center for Technology & Training   *Houghton, MI*
Software Engineer Intern   *Nov. 2018 - Dec. 2019*
- Writing front and back end software tools for civil engineers in Michigan for road construction and management
- Used AngularJS to build out the front-end for contractors to bid on road projects

Target Corporation   *Brooklyn Park, MN*
Software Engineer Intern   *June 2019 - Aug. 2019*
- Developed API micro-services for provisioning and orchestrating several types of databases with persistent and resilient storage
- Learned Agile in a corporate setting and share work with teams in remote locations

Projects

Next Era - Work Order Scheduling
Software Engineer   *July 2022 - Current*
- This is an in-house application that sits in front of a product to provide customers and stakeholders a better UX/UI
- The team has a strong business focus on improving the front-end feature set for both mobile and desktop
- Full stack workload with an Angular front-end, Kotlin API, Postgres and AWS cloud services

Target I&O - Stores Runtime
Software Engineer   *June 2020 - July 2022*
- Incorporating large-scale kubernetes to maintain runtime environments in our stores
- Designing and developing new software to effortlessly deploy containers in our store's runtime environment
- Provide reactive and proactive on-call support for our store kubernetes environments

Target HR - Time-Clock Management
Software Engineer   *Jan. 2020 - June 2020*
- Collaborated with Target US/India engineers to provide additional functionality to our time-clock management console
- Thoroughly tested functionality of a major release and giving clear metrics on the time comparisons
- Migrated our team projects CI/CD pipeline to an in-house open-source project called Vela

Skills

Languages	Kotlin, Angular, TypeScript, HTML, AWS, Go, SQL, Bash, Java, Python
Tools	Docker, Kubernetes, Maven, Postgres, OracleDB, Spring, Git & SVN
Software	Assembla, JetBrains Suite, JIRA, Visual Studio, Insomnia
Operating Systems	Windows, Mac, Linux (RHEL/Alpine)