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

Target Corporation   *Brooklyn Park, MN*
SOFTWARE ENGINEER   *Jan. 2020 - Current*
- 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

Michigan Technological University - IT   *Houghton, MI*
STUDENT LINUX ASSISTANT SYSTEM ADMINISTRATOR   *Mar. 2017 - Nov. 2018*
- Managed every Linux system across campus in student, lab, and faculty environments
- Maintained and upgraded core campus software through automation and well build CI/CD

Projects

Target I&O - Stores Runtime
SOFTWARE ENGINEER   *June 2020 - Current*
- 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

Climate
PERSONAL PROJECT
- A command line weather application written in Go to showcase my ability to work with Go, 3rd party tools, and APIs
- Future work will continue on expanding it's feature set, config, and flexibility of user-input
- Go check it out! github.com/joshua-hansen/climate-go

Skills

Languages	Go, C, C++, C#, Java, Kotlin, Python, JavaScript, HTML, SQL, NoSQL, Bash
Tools	Docker, Kubernetes, Git, Grails, Maven, MongoDB, OracleDB, Ratpack, Spring, SVN
Software	Assembla, JetBrains, JIRA, Visual Studio
Operating Systems	Windows, Mac, Linux (RHEL/CentOS/Alpine)