

Summary	Product and engineering people leader with 18 years of software development experience. Specialized in cloud computing, high-performance computing, web development, product development, and genomics. St. Jude Children's Research Hospital employee of the year (2019).	
Professional Experience	St. Jude Children's Research Hospital — Memphis, TN <i>Director of Product Development and Engineering</i> <i>Manager of Bioinformatics Software Development</i> <i>Senior Software Engineer</i>	February 2020 - Present February 2018 - February 2020 June 2016 - February 2018
	<ul style="list-style-type: none">• Built and managed a team of 25+ dedicated and 60+ non-dedicated engineers, designers, and product developers building the pediatric cancer data sharing ecosystem, St. Jude Cloud. Learn more about the St. Jude Cloud by reading our recent paper in Cancer Discovery.• Analyzed, harmonized, and maintained the largest whole-genome sequence repository in the world, including providing access to ~1.5Pb of genomics data to 195+ labs across the world in pursuit of cures for children afflicted with catastrophic diseases.• Designed and launched an ecosystem of applications which is accessed by more than 3,000 pediatric cancer researchers every week from around the world.• Served as an expert individual contributor and then built and guided teams to be excellent in the areas of product design, fullstack web development, genomic analysis development, database design, cloud infrastructure, and devops.• Received the 2019 Amos Jacobs award (employee of the year), the highest award given to employees at St. Jude Children's Research Hospital. Received two additional gold ovation awards during my time at St. Jude.	
	FedEx — Memphis, TN <i>Software Engineering Intern</i>	Summer 2015
	<ul style="list-style-type: none">• Built a mobile application for optimizing delivery routes for drivers for both iPhone (iOS) and Android (Java) devices with a scalable backend server written in NodeJS, ExpressJS, and MongoDB.• Created a proprietary machine learning server/path optimization server written in Python with open-source tools such as scikit-learn and pandas.• Recipient of the FedEx Technical Mastery award (x2) and the Director's Choice Award for best project. Employee choice award for 2015 best intern project.	
Education	University of Mississippi , University, MS M. S. Computer Science	May 2016
	<ul style="list-style-type: none">• Master's GPA - 4.0/4.0• Financed my college education through assistantships and scholarships.	
	B. S. Electrical Engineering (emphasis in Computer Engineering)	May 2014
	<ul style="list-style-type: none">• Major GPA - 3.81/4.0, Overall GPA - 3.66/4.0• Graduate of the Sally McDonald Barksdale Honors College.	
Skills	Frontend Development. Vue, React, Blade, Javascript, Typescript Backend Development. Ruby, Ruby on Rails, PHP, Laravel, Javascript, Typescript, NodeJS Command Line Tool Development. Python, Golang, Rust Database Design. PostgreSQL, MySQL, MongoDB DevOps. Microsoft Azure, Google Cloud Platform, Amazon Web Services, Terraform, Terragrunt, Kubernetes, Helm, Splunk Genomics. Development of analysis pipelines for next-generation sequencing data	