

# JAMES GIBSON

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EXPERIENCE	<b>Software Engineer</b> <i>Sybridge Digital Solutions, Chicago</i>	June '24 – Aug '24
	<ul style="list-style-type: none"><li>• Expanded events sent from Go services to provide necessary data to other business units via Salesforce integration and a data warehouse</li><li>• Modified service to support multiple production speed options (e.g., expedited or standard delivery) in customer checkout</li><li>• Implemented and maintained REST API endpoints for managing quotes, orders, and part analysis</li><li>• Designed reusable PostgreSQL data migration process motivated by a need to separate part specifications from part quotes</li><li>• Expanded and maintained unit and integration test suite and designed changes to simplify developer experience</li></ul>	
	<b>Site Reliability Engineer</b> <i>Sybridge Digital Solutions (formerly Fast Radius), Chicago</i>	May '21 – June '24
	<ul style="list-style-type: none"><li>• Managed and maintained multi-account AWS infrastructure primarily based around ECS and RDS, with events sent via SQS and EventBridge</li><li>• Overhauled infrastructure architecture to simplify developer workflows, reduce costs, and more clearly separate environments as part of company transition</li><li>• Instrumented and improved the observability of Go and Elixir services</li><li>• Rearchitected job processing infrastructure for CAD file analysis service to eliminate high volume of timeouts</li><li>• Contributed to open-source Elixir library ex_aws to add single sign-on credential support</li><li>• Wrote base Terraform for multiple continuously deployed services and ensured simplicity to enable developers to easily make changes</li><li>• Automated infrastructure auditing and service deployments using a Python Slack bot</li><li>• Onboarded organization onto Datadog, wrote documentation and gave presentations to improve developer familiarity</li><li>• Provided regular on-call support to developers and created and monitored infrastructure alerts to ensure smooth operation of all services</li></ul>	
	<b>Software Engineer, Data Pipeline Platform Team</b> <i>Groupon, Chicago</i>	June '18 – May '21
	<ul style="list-style-type: none"><li>• Brought Airflow-as-a-service from inception to production on dedicated on-premises VMs, followed by a migration to Kubernetes using AWS EKS</li><li>• Provided on-call and onboarding support for the 20 teams using Airflow</li><li>• Developed internal Python packages for Airflow tailored to user requirements</li><li>• Maintained various REST and ETL services written in Java</li><li>• Received Data and Discovery leadership award in March 2020</li></ul>	
	<b>Software Engineering Intern</b> <i>Groupon, Chicago</i>	May '17 – Aug '17
	<ul style="list-style-type: none"><li>• Contributed to the design and implementation of Groupon's machine learning platform</li><li>• Interfaced between Java, Python, and R to run data scientists' code on a Hadoop cluster</li></ul>	
	<b>Software Engineering Intern</b> <i>Beckman-Coulter, Indianapolis</i>	June '16 – Aug '16
	<ul style="list-style-type: none"><li>• Used Angular, RxJS, TypeScript, and MongoDB to build a front-end prototype</li></ul>	
EDUCATION	Bachelor of Science, Computer Science, Minor in Mathematics, May '18 Rose-Hulman Institute of Technology, GPA 3.79 Pearson Education Outstanding Graduating Senior	
PROJECTS	<b>UML Generation</b> <i>CSSE374, Software Design</i>	Dec '16 – Feb '17
	<ul style="list-style-type: none"><li>• Constructed a static analysis and UML generation library for Java</li></ul>	
PERSONAL	Avid but lousy violinist and chess player	