

JAMES GIBSON

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EXPERIENCE	Software Engineer <i>Sybridge Digital Solutions, Chicago</i> June '24 – Aug '24 <ul style="list-style-type: none">Expanded events sent from Go services to provide necessary data to other business units via Salesforce integration and a data warehouseModified service to support multiple production speed options (e.g., expedited or standard delivery) in customer checkoutImplemented and maintained REST API endpoints for managing quotes, orders, and part analysisDesigned reusable PostgreSQL data migration process motivated by a need to separate part specifications from part quotesExpanded and maintained unit and integration test suite and designed changes to simplify developer experience
	Site Reliability Engineer <i>Sybridge Digital Solutions (formerly Fast Radius), Chicago</i> May '21 – June '24 <ul style="list-style-type: none">Managed and maintained multi-account AWS infrastructure primarily based around ECS and RDS, with events sent via SQS and EventBridgeOverhauled infrastructure architecture to simplify developer workflows, reduce costs, and more clearly separate environments as part of company transitionInstrumented and improved the observability of Go and Elixir servicesRearchitected job processing infrastructure for CAD file analysis service to eliminate high volume of timeoutsContributed to open-source Elixir library <code>ex_aws</code> to add single sign-on credential supportWrote base Terraform for multiple continuously deployed services and ensured simplicity to enable developers to easily make changesAutomated infrastructure auditing and service deployments using a Python Slack botOnboarded organization onto Datadog, wrote documentation and gave presentations to improve developer familiarityProvided regular on-call support to developers and created and monitored infrastructure alerts to ensure smooth operation of all services
	Software Engineer, Data Pipeline Platform Team <i>Groupon, Chicago</i> June '18 – May '21 <ul style="list-style-type: none">Brought Airflow-as-a-service from inception to production on dedicated on-premises VMs, followed by a migration to Kubernetes using AWS EKSProvided on-call and onboarding support for the 20 teams using AirflowDeveloped internal Python packages for Airflow tailored to user requirementsMaintained various REST and ETL services written in JavaReceived Data and Discovery leadership award in March 2020
	Software Engineering Intern <i>Groupon, Chicago</i> May '17 – Aug '17 <ul style="list-style-type: none">Contributed to the design and implementation of Groupon's machine learning platformInterfaced between Java, Python, and R to run data scientists' code on a Hadoop cluster
	Software Engineering Intern <i>Beckman-Coulter, Indianapolis</i> June '16 – Aug '16 <ul style="list-style-type: none">Used Angular, RxJS, TypeScript, and MongoDB to build a front-end prototype
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	UML Generation <i>CSSE374, Software Design</i> Dec '16 – Feb '17 <ul style="list-style-type: none">Constructed a static analysis and UML generation library for Java
PERSONAL	Avid but lousy violinist and chess player