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## Experience

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**AvaSure** Software Engineer - Grand Rapids, MI **2021 - Present**

*Technologies Used: JavaScript, C#, PowerShell, React, Redux, Service Fabric, MongoDB*

- Design new features based on requirements from software architects and product management
- Triage and diagnose customer issues on a rotating business support team
- Modernize streaming architecture by migrating RTSP streams to WebRTC
- Transform AvaSure platform server into an OAuth Identity Provider supporting several flows
- Integrate with industry leader EPIC (CAL, eCAL)
- Strengthen application security by upgrading dependencies with known vulnerabilities
- Enable a SaaS offering via a large refactoring to support installs behind public reverse proxies

**Camp Fitch YMCA** Senior Tech Focus Counselor - North Springfield, Pennsylvania **2013 - Present**

*Technologies Taught: Python, Java, C#, Circuits, JavaScript, Unity*

- Mentor newer counselors to help them feel more comfortable both being at camp and teaching kids technology they might not be familiar with
- Teach a programming language to an assigned 2-3 children throughout a one-week course
- Guide more advanced students staying a second week making more complex group projects
- Customize existing curricula to better fit campers' shown progress
- Oversee campers' balance between learning and fun, ensuring they take breaks when needed
- Model good behavior for younger impressionable campers
- Discover new technologies to help keep the program competitive

**PartsSource** Associate Software Engineer - Aurora, Ohio **2019 - 2021**

*Technologies Used: C#, JavaScript, SQL, Python, React, Redux, Service Fabric, DB2, PostgreSQL, Pandas*

- Created a single sign on experience for the eCommerce platform that integrated with several external services with both JWT and SAML
- Encouraged leadership to add automated tests and linting where possible to increase team velocity
- Upheld and increased productivity in an environment of frequently changing priorities and requirements
- Aggregated data from across the platform to provide statistics for a large scale display of real-time analytics for more proactive customer success

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## Projects

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**Homelab Provisioner** Creates virtual machines and DNS records for my homelab

*Technologies Used: OpenTofu (Terraform), Google Cloud (GCP), Cloudflare DNS, Proxmox*

**Homelab Configuration** Ansible playbooks to manage virtual machines

*Technologies Used: Ansible, Packer*

**Homelab Chart** A Helm chart of applications I self-host

*Technologies Used: Helm, Kubernetes, Minio*

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## Education

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**Purdue University** B.S. Computer Science, West Lafayette Campus

**2015 - 2019**