Matt Gerst

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Work Experience

Shift Interactive **Des Moines, IA**

Senior Lead Architect *January 2022-Present*

- Oversee engineering plans and processes.
- Assist teams with architectural and design decisions.
- Maintain positive working relationships with clients, vendors and teams.
- Manage cloud infrastructure with Terraform and Ansible.
- Provide technical insights for new business opportunities.
- Participated in client meetings to provide technical insight and propose solutions.
- Provide mentoring, leadership and development to teams and team members.

Shift Interactive **Des Moines, IA**

Software Engineer *August 2018–July 2022*

- Developed and maintained applications according to client requirements.
- Migrated a client's main application to AWS.
- Introduced Infrastructure as Code.
- Participated in client meetings to provide technical insight and propose solutions.

ISEAGE Lab **Ames, IA**

Research Assistant *August 2015–Summer 2017*

- Planned and coordinated Cyber Defense Competitions. Served as Director for High School competition in the Spring of 2016.
- Maintained Cyber Defense Competition Scoring System. Implemented automated testing of the system. Standardized the release process.
- Developed automation tools for deploying Virtual Machines.
- Created insecure applications for Cyber Defense Competitions.
- Administered infrastructure used for Cyber Defense Competitions.
- Provided technical support for users.

Technical Skills

- **Languages**: Ruby, Ruby on Rails, Python, Django, HTML, Java, C/C++, JavaScript, Bash
- **Software**: MS Office, PyCharm, VMWare, Ansible, Terraform, Docker, Git, GitLab CI, Docker

Education

Iowa State University **Ames, IA**

Bachelor of Science, Computer Engineering *Fall 2012–Fall 2017*

Projects

Senior Design Project: December 2016, 1st Place

- Collaborated with peers to design a system for Android phones to communicate with each other in a mesh network.
- Developed the API used to send data between phones.