Tyler J Gabb
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Experience

Software Engineer
Modular Mining: Aug 2019 - Present
Kotlin, C#, Java, REST, gRPC, Spring, Linux, SQL, Docker, Kubernetes, Helm, Azure Devops
- Expose APIs in legacy applications to improve integration with modern microservices.
- Separate monolithic applications into microservices based on responsibility.
- Lead the research, design and implementation of new services based on domain.
- Research modern toolsets and technologies to prevent technical debt, and promote long term evolution of scalable architecture.
- Maintain and extend CI/CD pipelines.

Freelance Software Developer: Jun 2020 - Present
Javascript, HTML, CSS, React, Firebase, GKE
- Gather requirements from stakeholders and translate into specifications.
- Split up specifications into features and create a guided plan towards MVP.
- Lead the research, design, implementation, testing, and maintenance of all projects for stakeholders.
- Research modern tool sets and technologies to prevent technical debt.

Software Development Engineer In Test
Modular Mining: Jan 2019 - Oct 2019
Python, Java, C#, Spring, Linux, Centos, Redhat, VPC/VLAN, Test Automation, git
- Linux system administration.
- Supervised and measured system performance of test automation infrastructure to identify performance bottlenecks in regression testing. Designed and implemented a new test automation framework to improve performance in regression runtime from 3 days to 2.5 hours.
- Create, maintain, and improve a network of virtual machines used to perform automated tasks.

Software Development Intern
Hexagon Mining: May 2018 - Dec 2018
Python, C#, Windows, Powershell, DevExpress, Tortoise SVN
- Worked with a team of engineers to develop enterprise software using agile methodology.

Software Development Intern
PolyPrint: May 2017 - May 2018
Python, .NET, C#, Windows Services, WinForms, ASP, git, MSSQL, SQL
- Lead developer of numerous software projects.
- Daily interaction with on-site data centers. Create, maintain and optimize stored procedures and queries. Normalize database schema. Administer databases.
- Supervised and measured performance of existing inventorying software. Designed and implemented a new system which improved performance of inventory processing from 4 hours to 1 hour.
- Developed reporting tools for logistics and inventory part tracking

Education

- **Bachelor of Science in Mechanical Engineering, University of Arizona, May 2011 - Dec 2018**
- **Bachelor of Science in Mathematics CompSci Emphasis, University of Arizona, May 2016 - Dec 2018**
- **Minor in Computer Science, University of Arizona, May 2016 - Dec 2018**