Zachary T. Greenfield

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RELEVANT EXPERIENCE

Software Engineer, Veterans United Home Loans - Columbia, MO   **Feb 2021 – Present**

- Develop RESTful APIs using **C#, .NET Core, and .NET Framework** and User Interfaces using **Angular**
- Optimize throughput with a team of five using **Extreme Programming**: one-to-two-week sprints, **Test-Driven Development**, and Pair Programming
- Collaborate with team's Product Owner and Quality Assurance Engineer to plan, organize, and communicate progress on user stories using **Pivotal Tracker**
- Create and manage CI/CD pipelines using **Azure DevOps and Git/TFVC** for version control
- Deploy systems multiple times a week **as Windows IIS Applications, Services, and Scheduled Tasks**
- Engineer systems using tools including **MS SQL Server, RabbitMQ, LaunchDarkly, SwaggerHub, Splunk, Dynamics 365, Elasticsearch, Prometheus, and Grafana**
- Facilitate team meetings including morning huddles, iteration retrospectives, and backlog refinement
- Lead Team INVEST as a technical expert, guiding and mentoring team members in XP (e.g. TDD, Pair Programming) and other software engineering best practices expected at Veterans United

Software Engineer, Associate, Parsons Corporation - Centreville, VA   **May 2019 - Feb 2021**

- Programmed applications using **Java** and Scrum **Agile** on an ETL project using a **distributed cloud microservice architecture** comprised of over 360 maven modules
- Lead a five person working group, including three senior engineers, drawn from a team of 25 programmers
- Designed and Implemented **REST APIs** and their supporting services (i.e. **Postgres, Mongo, Confluent platform**) for communicating information between the back-end and front-end projects, utilizing **Swagger Code Generation**

Side Programming   **2012 - Present**

- Projects can be found on my Website.

TECHNICAL SKILLS

Programming Languages: C#, Typescript, Java 8/11, Python, C, C++

Tools: Linux, VS Code, Bas, Powershell 7, vim, ssh, scp, vnc, git, Kafka, RabbitMQ, LaunchDarkly, Docker, Grafana, Swaggerhub, TFVC, Azure DevOps, Gitlab, gcc, g++, cmake, SVN, Specflow, MSTest, NSubstitute, Moq, Dapper, Stash, Word, Excel, Outlook, Webex, Slack, Confluence

EDUCATION

The College of William & Mary, Williamsburg, VA   **B.S. Computer Science May 2019**