

TRACY GIUS

310-529-6806 | tldavies87@gmail.com

SENIOR SOFTWARE ENGINEER | SOFTWARE ENGINEERING LEADER

Experienced senior software engineer with expertise in designing, developing, and deploying scalable applications and systems. Adept at leading cross-functional teams, optimizing software performance, and implementing innovative solutions to meet business objectives. Skilled in leveraging modern technologies to drive efficiency and deliver high-quality results.

SKILLS

- **Languages:** Go | Java | Bash | JavaScript | Ruby | Python
- **Libraries/Tools:** Azure Devops | Azure | Kubernetes | Git | Docker | Power BI | Kusto Query Language
- **Other:** Agile Trained | Linux

EXPERIENCE

MICROSOFT, Seattle, WA

April 2017 – December 2024

Senior Software Engineer | Viva Engage Engineering Systems Team

Served as team scrum master. Run retrospective and planning meetings. Implemented support for language/SDK version updates in build infrastructure. Java version updates, Switching JDK implementations, Node version updates. Maintained and created Docker Images used by build and release infrastructure. Wrote and evaluated quarterly team objectives in conjunction with leadership's business objectives.

- Guided migration from monolithic Node repository from Lerna to Rush. Ensured that migration was compatible with their build infrastructure.
- Provided instructions for teams to integrate their build with a caching storage backend. Identified pipeline improvements to increase cache hit rate, further improving build and test times.
- Extracted metrics from raw Api and Unit tests output. Displayed those metrics in Grafana dashboards for teams to better understand their tests metrics over time.
- Created and managed templated continuous-integration and continuous-delivery pipelines including their policies, builds and deploys of 100+ Dockerized services (Node, Java, Ruby, Python, Go).
 - Convert build pipelines from UI configured to YAML managed pipelines, allowing CI infrastructure changes to be reviewed and committed like any other code.
 - Evaluate, streamline and optimize release chains. Combine disjoint releases with tight coupling into explicitly linked stages, reducing confusion and release conflicts.
 - Built Hotfix/master release triggers for prBased pipelines.
- Created Pipeline base configurations for projects to adopt, decreasing project complexity and spin-up time. Templates included standard features like test execution and reporting on code coverage and linting. Compatible with multiple languages include Node, Java and Ruby.
- Converted projects to continuous integration using pull requests to test and merge. Reduce cases of broken development and release branches.
- Created/maintained Power BI/Kusto queries and reports on quarterly/monthly reliability and velocity metrics.
- Supported teams to speed up their builds, add tests, lints and other pr branch policies. Encourage teams to learn tools for self-support of regular tasks to improve team velocity.
- Automated on-call tasks related to deployment exclusion blocks. Add monitoring to notify on calls of potential problems.
- Migrated legacy devops systems (Team city, Travis, Jira, etc.) into Azure Devops and Azure. Clearly communicated benefits to teams.
- Run team bi-weekly brown bag sessions on domain knowledge for the team.

DELL EMC, Seattle, WA

March 2015 - March 2017

Quality Software Engineer

- Open Source Project Rack HD - Platform agnostic management and orchestration of physical hardware.
- SCRUM Master for multiple teams in diverse locations.
- Helped team see features in terms of user experience.

- Helped team with costing to ensure reliable scheduling.
- Work with Product Owner to ensure correct prioritization of features.
- Presented Agile practices and benefits to traditional Waterfall teams.
- Maintain and manage Continuous Integration Test Servers.
- Integration with Jenkins and Travis CI.
- Testing, Code Quality Linting and Test Coverage.
- Review internal and external contributions to code.
- Triage bug reports from internal and external customers.
- Developed code quality standards and drove adoption of high quality review practices.
- Refactored existing code to increase ease of testability and improve test coverage.
- Implement new features as required.

RENASAR TECHNOLOGIES (acquired by Dell EMC), Seattle, WA

August 2014 - March 2015

Software Engineer

- Responsible for QA efforts of Renasars converged infrastructure platform.
- Extensive manual and automated integration testing of the backend server and User Interface.
- Execution and reporting of regression suites.
- Owned the company's Jenkins based continuous integration system.
- Provided feedback on development designs testability.
- Reported on code coverage and enhanced suites where needed.

ADDITIONAL EXPERIENCE

THE WALT DISNEY COMPANY, Seattle, WA

Data Solution Software Intern

SEATTLE UNIVERSITY & ASTRONICS, Seattle, WA

Master of Software Engineering Student

CRANE AEROSPACE AND ELECTRONICS, Lynnwood, WA

Sensing and Utility Systems Engineering Intern

NORTHROP GRUMMAN, AEROSPACE SYSTEM, San Diego, CA

Embedded Software Engineer I

EDUCATION

Master of Software Engineering (MSSE) | Seattle University, Seattle, WA

- **Emphasis:** Software Project Planning/Management

Bachelor of Science (BS), Software Engineering | California Polytechnic State University, San Luis Obispo, CA

ORGANIZATIONS

Co-Founder - Past President | Women Involved in Software and Hardware (WISH) | Alumni