



# Piotr Sankiewicz

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Senior Software Engineer - Team Lead

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<https://github.com/petsan>  
<https://www.linkedin.com/in/petsan>

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20+ years of proven experience designing, implementing and testing complex software solutions for new products. Dedicated to high quality, efficient code. Accomplished coder, team player, excellent communicator, creative problem-solver, experienced leader. Organized, self-motivated, and passionate about learning.

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## Skill Areas

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- Python, JavaScript, Node, SQL, Selenium
  - Leadership, Project Management
  - Information Security
  - Test Planning, Automation, Analysis
  - AWS, GCP, Azure
  - JIRA, TestRails, LiquidPlanner
  - Docker, Kubernetes, Concourse CI, Git
  - Agile, Scrum, Kanban
  - RESTful APIs, Clean Architecture TDD
  - Ubuntu, macOS, Windows, iOS, Android.
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## Professional Experience

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### Echodyne, Inc

**Senior Software Engineer, Software Team Lead • 2020 — Present**

*Python Developer for off-Radar software* — Cross-functional engineering Team Lead.

- Lead/provide guidance and mentoring to team members formed within my discipline to improve knowledge sharing, facilitate peer reviews on projects, increase collaboration, and use a team framework to elevate the performance of all participants.
- Strong willingness and ability to meet the expectations of the role, the approval and support of Management, and confirmation from peers and the team members.
- Opportunity to learn and practice technical leadership skills, and gain insight into future advancement interests, whether technical management, technical leadership, or individual contributor.
- Strong willingness to perform extra activities that are focused on things that benefit other team members.
- Knowledge and ability to articulate engineering best practices and good product development process.
- Demonstrate "lead by example" leadership.
- Willingness and ability to coach and mentor team members.
- Provide input to Manager/Director to recognize individual contribution and support individual improvement.
- Willingness to communicate a problem to Management when it would be easier not to.

### Piorun, Inc.

**Head of Engineering • 2020 — 2021**

*Managing Full Stack Web Developer* — Responsible for creating exciting new web properties.

- Working with clients to implement pioneering new web designs.

## **Vulcan, Inc.**

### **Senior Lead Engineer • 2001 — 2019**

*Software Development Engineer in Test* — Responsible for automated testing for an iOS and browser based application to playback video assets.

- Built an automated testing framework based on existing test plans.
- Supported manual QA efforts with automation and test analysis.
- Analyzed app performance metrics.
- Ensured stability of software releases and acted as the Release Manager.

*Lead Quality AV/IT Engineer* — Lead engineer responsible for the quality and performance for a multi-million dollar custom projection location based entertainment project.

- Produced and executed extensive test plans, test automation and test reports across a wide range of custom hardware and software.
- Envisioned, designed, and oversaw the production of a custom server to efficiently play back video and video games on four 4K projectors at 80GBps.
- Produced, converted and assessed 8K-60 video streams, with various encoding and quality settings.
- Participated in multi-day builds of the Holodome, including at TED 2019 in Vancouver B.C..
- Development tools: Python, Unity, Selenium, Windows UWP, iOS, Android
- Program Management tools: JIRA, TestRails, LiquidPlanner, Agile, Scrum

*DevOps Tools Engineer* — Developed cloud infrastructure automation for global, multi-million dollar Philanthropy projects. Enabled reliable, repeatable deployments to production environments on multiple cloud providers.

- Implemented Kubernetes deployments for containerized applications in the cloud.
- Built continuous integration/continuous deployment pipelines on Concourse CI.
- Built cloud-agnostic tooling to automate infrastructure provisioning.
- Development tools: Python, Docker, Kubernetes, Google Cloud Platform, Azure Cloud, AWS, Concourse CI, Pair-Programming

*Software Engineer* — Full-stack web developer on a cross-platform web application.

- Performed feature engineering.
- Development tools: Django, JavaScript, JQuery, PostgreSQL, node.js, angular.js.
- Co-ordinated with other engineers to ensure software stability.

*Lead Quality Engineer* — Led the quality efforts for the Wildlife Conservation Initiatives for the \$100M Vulcan Philanthropy group.

- Successfully engaged with multiple stakeholders on the value of quality engineering practices.
- Implemented team-wide initiatives for learning.
- Successfully released multiple products across multiple release launches.
- Thoroughly debugged issues found before submitting tickets.
- Led the team in Scrum implementation.

*Lead Quality Engineer* — Led the testing efforts on multiple world-wide deployments.

- Release management of multiple simultaneous products across a world-wide collection of properties.
- Participated in the initial installation and led the testing effort of AV hardware on the MY Octopus Mega-Yacht.
- Reported on testing efforts to stakeholders.

## **Microsoft, Inc.**

### **Lead Quality Engineer • 1997 — 2001**

*Windows NT Site Server* — Responsible for creating, updating, and executing automated test scripts across multiple servers in a laboratory setting.

- Designed and executed automated test cases.
- Focused on testing TCP/IP and LDAP.
- Reported on testing results.

*Windows 98* — Led a team of Quality Engineers.

- Led a team of QA Engineers in structured testing methodologies, verification and reporting.
- Designed and executed test plans of the Windows 98 network stack.
- Designed and executed test plans for Windows 98 internationalized in German.

## **River Riders, Inc.**

### **Whitewater Rafting Guide • 2002 — 2007**

Guided whitewater rafting crews.

- Safely guided whitewater rafts crews down the Wenatchee river.

- Prepared lunch for guests and crew.
- Maintained rafts and other equipment.

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## Education

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### Capella University

BS, IT — Information Assurance & Security • Magna Cum Laude • 2010 — 2015

### University of Washington

BS, Pre-Med (incomplete) (1994-1997)

### Generation USA • [www.generation.org](http://www.generation.org)

Teacher's Assistant for Jr Cloud Practitioner Program (2020 — Present)

### Code Fellows

Full Stack Web Development

### Aviation Emergency Response

Notification and Family Assistance Course

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## Tech Community

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- Holodome at TED in Vancouver, 2019
- StarWest Conference
- Application Lifecycle Management Conference
- Attended other conferences

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## Projects

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- Media Systems ■ similar to TIVO and Netflix (Mobile/Web)
- Holodome ■ ([holodome360.com](http://holodome360.com)) (Windows, Unity)
- DevOps ■ cloud management tool for internal projects (GCP, Azure, AWS)(BASH/Python)
- Allen Coral Atlas ■ ([allencoralatlas.org](http://allencoralatlas.org)) (Mobile/Web)
- Maritime monitoring ■ ([skylight.global](http://skylight.global)) (Web)
- Species conservation ■ ([earthranger.com](http://earthranger.com)) (Mobile/Web)
- Global fishery mapping ■ ([seararoundus.org](http://seararoundus.org)) (Web)
- Great Elephant Census ■ ([greatelephantcensus.com](http://greatelephantcensus.com)) (Android)
- XBMC Touch ■ (<http://xbmctouch.com/>), (iOS)
- Brain Atlas ■ ([brain-map.org/](http://brain-map.org/)) (Web)
- The EMP Museum ■ ([empmuseum.org/](http://empmuseum.org/)) (Windows)
- Fayve ■ ([en.wikipedia.org/wiki/Fayve](http://en.wikipedia.org/wiki/Fayve)) (iOS)
- Flying Heritage ■ ([flyingheritage.com](http://flyingheritage.com)) (Web)
- Project Halo ■ ([allenai.org](http://allenai.org)) (Web)
- Racing Extinction ■ ([RacingExtinction.com](http://RacingExtinction.com)) (Web)
- MS Outlook extension ■ ([xiant.com](http://xiant.com))
- Yopp ■ similar to Facebook (Windows App)
- Tackle Ebola ■ (<http://www.tackleebola.org/>) (Web)