



Piotr (Peter) Sankiewicz

Senior Software Professional - Team Lead - Instructor

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

Seasoned leader with 20+ years of proven experience, designing, implementing and testing complex software solutions. Dedicated to high quality, efficient code.

Intermediate instructor with over one year of experience, teaching adults new employment skills to become a Junior Cloud Practitioner (JCP).

Accomplished coder, team player, excellent communicator, detail-oriented analyst, creative problem-solver, a lead-by-example type technical leader.

Organized, self-motivated, and passionate about learning.

Professional Experience

Echodyne, Inc

Senior Software Engineer, Software Team Lead • 2021 — Present

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

- Lead / provide guidance and mentoring to team members.
- Write / improve automated test cases in Python.
- Analyze requirements and create test plans.
- Execute test plans.
- Analyze results.
- Report on results in test reports.

Generation USA

Direct Instructor, Teacher's Assistant • 2021 — Present

Junior Cloud Practitioner

- Lead multiple direct instruction sessions for up to 180 students over 3 cohorts
- Focus on delivering instruction to maximize student understanding.
- Attempt to keep as many students in the cohorts as possible.
- Host direct 1-on-1 meetings with students
- Grade assignments and provide feedback on assignments
- Take attendance
- Provide feedback to students regarding professional behavior
- Lead sessions in the following areas:
 - AWS Cloud Practitioner Exam Prep
 - Python instruction, including code review and debugging skills
 - Linux Command Line Interface
 - BASH scripting
 - DevOps instruction and demonstrations
 - Behavioral Skills and Mindsets
 - Resume Preparation
 - Interview Practice
 - Information Technology Fundamentals

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.

Education

Capella University

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

University of Washington

Pre-Med, (1994-1997)

Generation USA • 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

Skill Areas

- 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.

Tech Community

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

Projects

- Media Systems ■ similar to TIVO and Netflix (Mobile/Web)
- Holodome ■ (holodome360.com) (Windows, Unity)
- DevOps ■ cloud management tool for internal projects (GCP, Azure, AWS)(BASH/Python)
- Allen Coral Atlas ■ (allencoralatlas.org) (Mobile/Web)
- Maritime monitoring ■ (skylight.global) (Web)

- Species conservation ▀ (earthranger.com) (Mobile/ Web)
- Global fishery mapping ▀ (seararoundus.org) (Web)
- Great Elephant Census ▀ (greatelephantcensus.com) (Android)
- XBMC Touch ▀ (<http://xbmctouch.com/>), (iOS)
- Brain Atlas ▀ (brain-map.org/) (Web)
- The EMP Museum ▀ (empmuseum.org/) (Windows)
- Fayve ▀ (en.wikipedia.org/wiki/Fayve) (iOS)
- Flying Heritage ▀ (flyingheritage.com) (Web)
- Project Halo ▀ (allenai.org) (Web)
- Racing Extinction ▀ (RacingExtinction.com) (Web)
- MS Outlook extension ▀ (xiant.com)
- Yopp ▀ similar to Facebook (Windows App)
- Tackle Ebola ▀ (<http://www.tackleebola.org/>) (Web)