

# Vijaykumar 'Jay' Palat

[jay@palat.net](mailto:jay@palat.net) | 412-254-4678 | <https://jay.palat.net> | [linkedin.com/in/jaypalat](https://www.linkedin.com/in/jaypalat)

## Engineering Director/Engineering Manager/Technical Leader

I develop teams to take on hard challenges and deliver on time results. I've delivered mobile, web, data/ml, and infrastructure products and solutions from startup to enterprise.

### Senior Engineer - Software Engineering Institute - Pittsburgh, PA: Dec 2018 - Present

- Lead engineer for several AI/ML Projects, including:
  - Developing python data tools for extracting emotional data from voice recordings; delivered a behind schedule project on time.
  - Development of an object detection system for Autonomous robot systems.
- Provided engineering best practices and tooling across the portfolio for software and ML system development.
- Provide DevOps for AWS, Azure and On-premise systems using puppet and Jenkins.
- Developed roadmaps for infrastructure including budget, stakeholder acceptance and validation.
- Presented research and represented SEI to customers, guests, and executives.
- Recruiting representative at conferences and formal events.
- Interviewed candidates from entry level to executive level.
- Improved interview experience and practices for engineering candidates.

### Independent Consultant / QOE Ltd. - Pittsburgh, PA :

Aug 2016 - Present

- Consulted on Web, Mobile, and Infrastructure Projects.
- Lead developer on mental health self-assessment tool for phone and tablet.
- Refactored and redeployed IoT application for Energy measurement enabling visualization and service stability.
- Led devops efforts on AWS, Heroku, GCE, and Azure infrastructure.
- Lead application development in Node.js, Python, Go, Swift, Objective-C.
- Developed and Delivered training in Agile Development and Continuous Integration.
- Managed hiring process and restaffed client engineering team.

### Rhiza Labs - Pittsburgh, PA :

Aug 2014 - Aug 2016

#### Director of Engineering; Director of Data and Operations

- Led and managed Software Engineering(5), Quality Assurance(3), Data and Ops teams(5).
- Drove on-time development and delivery of products through Agile release process.
- Created and developed hiring processes and development plans for Engineering, Ops, QA and Data.
- Organized and managed product backlog as Interim Product Manager. Developed initial product roadmap and hiring plan for Product.
- Reduced deployment time by 40% by improving AWS practices.
- Led automation improvements in testing, deployments, and monitoring using Jenkins, Ansible, Terraform, and New Relic.
- Designed and implemented Elasticsearch/Logstash/Kibana infrastructure for visualizing application usage patterns.
- Developed Go-based management application for user management and operational insight.

**UPMC Technology Development Center - Pittsburgh, PA :** **Nov 2011 - Aug 2014**  
**Software Engineering Lead - Mobile/Visualization Projects**

- Delivered six Mobile Application releases including:
  - Private group messaging application for Care Teams (iOS and Android).
  - Secure, private image/media uploads for clinical evaluation (iOS).
  - Cross platform Patient Record Viewer integrating data from multiple clinical systems (iPad, iPhone, HTML5, Windows 8).
- Implemented an Agile (Scrum) development methodology pushing best practices, including Continuous Integration, Unit and Acceptance tests for all platforms supported.
- Led Strategy team for Mobile Application development within UPMC, working with executives across divisions to develop a strategy for Mobile application development and procurement.

**Celerity Innovation, Inc - Pittsburgh, PA :** **Feb 2011 - Nov 2011**  
**Mobile and Infrastructure Lead**

**ModCloth, Inc - Pittsburgh, PA :** **May 2010 - Feb 2011**  
**Senior Software Architect / System Technology Manager**

**IBM Pittsburgh Lab - Pittsburgh, PA :** **Aug 2000 - Apr 2010**  
**Senior Software Engineer - Remote Service Lab/WCC** **Sep 2007 - Apr 2010**

**H2 Design Group, Inc. - Pittsburgh, PA** **May 1998 - July 2000**  
**Systems Engineer**

#### **Education**

- Carnegie Mellon University - Master Information Technology - 2004
- University of Pittsburgh - Bachelors Computer Science - 1999

#### **Patent**

Vijaykumar Palat and Regina Joyce (8,255,493) "Automated Dynamic Portlet Rendering"  
<http://patft1.uspto.gov/netacgi/nph-Parser?patentnumber=8,255,493>

#### **Publications & Presentations**

- Palat, Jay [Agile Development Applied to Machine Learning Projects](#) - InfoQ 3/2021
- D.J. Hartman, et All, POCKET PATHOLOGIST: A MOBILE APPLICATION FOR RAPID DIAGNOSTIC SURGICAL PATHOLOGY CONSULTATION
- Palat, Jay. Getting Started With Vagrant, Linux Journal August 2012.  
<http://www.linuxjournal.com/content/introducing-vagrant>
- Tahler, Evan; Lu, Allen; Palat, Vijaykumar. CMU: Show + Tell : ModCloth

**University of Pittsburgh - Pittsburgh, PA :** **Jan 2014 - May 2014**  
**Visiting Lecturer:** INFSCI 1073: Application Development for Mobile Development

#### **Volunteer / Community**

- President Kentucky Avenue School Board of Trustees : 2018 - 2020
- Kentucky Avenue School Tech Committee : 2013 - Present