

Summary

An experienced healthcare technologist with comprehensive experience in startup and entrepreneurial-driven operations, having founded three technology companies. Expert in all aspects of running a productive development organization, including staffing, planning, budgeting, and new product design.

Lately working a lot in Python leveraging it's rich ecosystem while experimenting with Machine Learning and Deep Learning technologies.

Work Experience

Altai Technologies (5/2015 – Current) *Founder*

Independent consultant specializing in healthcare technologies with expertise in HL7 integrations using Corepoint and Mirth HL7 integration engines.

Zwanger-Pesiri Radiology, Long Island NY

Managed all HL7 integrations and operations for client. Using offshore resources, provided client with 24/7 coverage. Developed business requirements for internal and B2B integrations.

- Managed all aspects of operations of HL7 infrastructure – planning, upgrades, operations, and disaster recovery
- Automated testing of HL7 infrastructure (Continuous integration & delivery)
- Coordinated work with multiple vendors and inhouse staff
- Architected HIPAA compliant solutions

Lighthouse Data Holdings, mobile app venture

Involved in all aspects of design and implementation of mobile app venture. Architected and developed all backend systems utilizing open source technologies (Google Compute Engine, Python/Flask, SQLAlchemy & MySQL). The first product, **Image Improv**, is a photo-gaming app designed to crowdsource metadata for image libraries.

- Architected and documented (OpenAPI/Swagger) JWT secured RESTful API
- Utilized TDD practices to accelerate development
- Created JQuery administrative management tools
- Managed cloud-based deployments and operations
- Developed dashboards to monitor KPIs
- CI/CD using CircleCI to Google Cloud

EPAM Systems (3/2014 – 5/2015) *Director, Healthcare Solutions*

Following the acquisition of Netsoft USA by EPAM Systems, worked to ensure successful integration of Netsoft USA's former business relationships with EPAM's operations. Led both sales and technical teams to close new business opportunities and successfully deliver projects. Closed sales with key clients to meet revenue requirements of acquisition.

- Advised clients on HIPAA security/privacy/compliance certifications
- Worked with sales team to create RFP responses
- Subject matter expert for healthcare-related meetings
- Created EPAM's Healthcare Group Knowledge Management System utilizing Confluence

Netsoft USA (5/2000 – 3/2014) *Managing Partner**acquired by EPAM Systems*

Managed all aspects of the engineering resources for a strategic technology and design firm specializing in innovative solutions in the digital healthcare domain. Directly managed a staff of 20 onshore engineers, providing developers roadmap to develop talent in house.

- Led team to achieve ISO 9001 certification of company's agile processes
- Chaired PMO
- Head of talent acquisition
 - Established guidelines for interviewing process
 - Formed relationships with local universities
 - Created internship program to maintain a pipeline of talent
- Created and led Solution Architecture group focused on best practices and new technologies
- Maintained and operated all internal portals and tools
- Solution evangelist at industry-specific conferences and events, presenting healthcare system solutions at industry conferences
- Maintained company's internal technical infrastructure (VOIP system, servers, backups, business continuity)
- Engagement manager for critical clients, working with onshore and offshore staff to oversee major architectural and delivery milestones
- Architected PCI and HIPAA compliant solutions

Uproar Ltd. (7/1999 – 4/2000) *Director of Engineering* *IPO 3/2000, acquired by Vivendi Entertainment*

Staffed and led development group responsible for rebuilding operational systems after acquisition.

Re-architected Uproar's member management system to enable growth to over 30 million members, becoming "Top 50" web property reaching 5.7% of Internet audience. This highly scalable system supported a \$1.1 Billion valuation on EASDAQ. Some of the key features of this architecture are:

- An automated "one click" build/test/deployment process
- Highly scalable architecture for all tiers using custom, targeted data partitioning
- Integrated ad tracking
- Automated production data aggregation and report generation

PrizePoint Inc. (3/1998 – 7/1999) *Co-Founder* *merged with Uproar Ltd.*

Architected and developed company's online sweepstake and gaming site, named Media Metrics' "stickiest site" 1998. Company merged with Uproar Ltd. Presentation layer created using IIS/VBScript with business and data access layer implemented in C++ COM objects.

PointCast Inc. (9/1993 – 4/1997) *Co-Founder*

Lead developer of pioneering push technology server group. The PointCast datacenter served more than 200 million requests/day.

- Created HTTP load balancer (prior to availability of IP load balancers)
- Developed high-performance HTTP parser for custom web server

Patents

- **5,241,653** *“Apparatus and Method for Adjusting and Displaying Scaled, Rasterized Characters”*
- **5,301,267** *“Intelligent Font Rendering Co-Processor”*
- **5,857,067** *“Intelligent Font Rendering Co-Processor”*
- **6,173,311** *“Apparatus, Method, and Article of Manufacture for Servicing Client Requests on a Network”*

Education

- Bachelor of Science, Electrical Engineering *cum Laude*, New Jersey Institute of Technology
- 2019, Coursera Machine Learning, Stanford University
- 2016, Corepoint Web Services Training
- 2015, Corepoint Level I & II Training
- 2011, Java Spring Training

Skills

- Open Source technologies (Google Cloud, AWS, Python, Nginx/Gunicorn, GitHub)
- Database development (MS SQL, MySQL)
- HL7 Integration (Mirth, Corepoint)
- PCI, HIPAA, GPDR and other security, compliance, and privacy
- Healthcare data interchange formats, e.g. HL7, X12 (claims processing)
- Continuous Integration & Delivery/Deployment using Jenkins, GitLabs and CircleCI

Speaking Engagements

- Speaker, 2008 Microsoft Health & Life Sciences Conference, **“PHR system architecture”**
- Panelist, HICSS 2017, **“Global Innovation in IS/IT: The Role of Innovative Entrepreneurship?”**
- Speaker, 2018 NJIT Martin Tuchman School of Management, **Entrepreneurial studies.**