Summary

Harry is a technologist with comprehensive experience in startup and entrepreneurial-driven operations, having founded three technology companies. He is an expert in all aspects of running a productive development organization, including staffing, planning, budgeting, and new product design.

Harry's goal is to optimally translate technology into products and services that enable corporate goals. His philosophy is simple – build a culture of respect and high expectations within the technology organization, creating a team that can execute the technology and business vision of the company.

Harry is not afraid to roll up his sleeves and get involved in coding, most recently slinging code for his mobile app venture, Image Improv.

Work Experience

Lighthouse Data Holdings (9/2016 – Current) *Chief Technology Officer / Co-Founder*

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). Our 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
- CI/CD using CircleCI
- Created Javascript/HTML administrative management tools
- Managed cloud-based deployments and operations
- Developed dashboards to monitor KPIs

Altai Technologies (5/2004 – 9/2016) *Founder*

Managed offshore resources, procured new business, and implemented complex integration processes in software consulting firm specializing in healthcare domain with particular expertise in HL7 integration using Corepoint and Mirth HL7 integration engines.

- Developed business requirements for integrations and partner information exchanges
- Managed all aspects of operations of HL7 infrastructure – planning, upgrades, operations, and disaster recovery
- Automated testing of HL7 infrastructure
- Coordinated work with multiple vendors and inhouse staff
- Managed offshore resources to provide full coverage of operations for HL7 infrastructure
- Provided advice, guidance and architectural oversight to ensure HIPAA compliance

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.

- 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

Uproar Ltd. (7/1999 – 4/2000) *Director of Engineering*　　*IPO 3/2000, acquired 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 NASDAQ. Some of the key features of this architecture are:

- An automated "one click" build and 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 drawing and gaming site, named Media Metrics' "stickiest site" 1998. Company merged with Uproar Ltd.

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

Adobe Systems Inc. (6/1990 – 9/1993) *Manager, ASIC Development*

Technical Leader of project team developing a high-speed hardware implementation of Adobe's Type 1 font rasterization engine, delivered in 11 months with zero defects.

- Co-inventor on three patents
- Created high-speed, low-cost font scaling chip for Asian markets

BluePoint Technologies Inc. (9/1986 – 6/1990) *Co-Founder*   *acquired by Adobe Systems*

- Founded technology firm focused on bringing to market advanced algorithms in chip-based platforms
- First product, BP100A, a high-speed font scaling processor capable of generating 10,000 characters-per-second
- Secured $500K of advanced product sales to fund development of technology without venture capital
- Negotiated sale of company to Adobe Systems Inc. in June 1990

Digital Equipment Corp. (6/1984 – 9/1986) *Software Engineer*

Engineer in integrated hardware/software group working on VMS I/O drivers, Mass Storage Control Programs and AppleTalk networking.

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
- 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, CircleCI)
- Database development (MS SQL, MySQL)
- HL7 Integration (Mirth, Corepoint)
- PCI, HIPAA, GPDR and other security, compliance, and privacy

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**.