

CHRISTOPHER M. TONKINSON

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Residing in Lititz, Pennsylvania
tonkinson.com/about

Where robust **problem solving** and unique **communication skills** intersect, a seasoned entrepreneur and proven leader with staunch technical background seeks new challenges in technical leadership.

PROFESSIONAL

Director, Software Engineering

2015 - Present

Gorman Health Group in Washington, DC [remote]

- Drafted policies & procedures for engineering: SDLC pipeline, quality control, project management; recruitment, hiring, and onboarding; Business Continuity & Disaster Recovery
- Designed and implemented technical infrastructure for entire department including operating systems, databases, networking, configuration management, source code management, project management software, continuous integration & continuous delivery pipeline, quality controls, security hardening, and BC/DR processes
- Developed long term (2-5 year) proposals for product innovation and platform sustainability
- Supported new product ideas by developing scopes of work and performing cost-benefits analysis
- Advertising, recruitment, interviewing, onboarding, and mentoring for new engineering staff
- Direct day-to-day management of engineering team – leadership and inspiration, project management, technical direction, conflict resolution, disciplinary action, performance reviews
- Architected state-of-the-art microservices application platform to support rapidly evolving business needs yet meet high standards of quality and reliability

CTO

2015 - Present

CultureSpots.com in Philadelphia, PA [remote]

- Provide technical direction for platform, feature design, and growth opportunities
- Quarterly reports on value added by development efforts
- Direct “fingers-on-keys” SDLC design, implementation, and support
- Management and operational support of internal and production infrastructure
- Security, quality control, disaster recovery, and business continuity planning

Principal

2013 - 2015

Forge Software in Philadelphia, PA [remote]

- Responsible for business development and lead generation
- Negotiated client contracts for software development and related services
- Managed contract sales and client retention
- Drafted internal policies and procedures, including development, IT, and operations
- Project manager and lead developer for client work
- Internal champion for new technology adoption strategy
- Coordinated production schedule across multiple clients and efforts

Independent Consultant

2006 - 2017

Tonkinson Solutions, LLC *[remote]*

- Business-goals driven design and development of infrastructure and B2B/B2C systems
- Design, review, development, implementation, testing, deployment, operations, and support for both new and legacy information and computer systems
- Operated within local, hybrid, and cloud environments
- Strategic consultations including sales, marketing, pricing, legal, regulatory, and operations

Senior Full-Stack Engineer

2012-2013

Sensaphone *in Aston, PA*

- Full-stack development of ecomm website providing both physical product sales and fulfillment as well as subscription services
- Internal and external API design and development (with interoperability between firmware and web teams)
- Mentored junior developers
- Liaison between hardware, firmware, software, and web groups
- Responsible for architecture and design of richly interactive full-stack web application

Full-Stack Web Developer

2010-2012

Spoto Interactive *in Kutztown, PA*

- Managed project teams up to 4 direct reports
- Balanced schedule of internal business needs with external client requests
- Security audits of physical and digital infrastructure
- Requirements analysis, project planning, and full-stack SDLC for applications with 100K+ users
- Designed and implemented robust semantic HTML web applications
- Development and support of interactive content in both HTML5/CSS3 and ActionScript 3
- Implemented company-wide version control, quality assurance process, disaster recovery systems

Lead Systems Programmer

2006-2010

ClassicWines.com *in Chester, PA*

- Requirements, purchasing, implementation, and support for hardware, software, and network infrastructure for production systems
- Full SDLC for proprietary data aggregation & analysis platform processing hundreds of GB of data nightly
- Responsible for 24/7 uptime, data reliability, disaster recovery, and business continuity planning

ACADEMIC

B.S., Computer Science

Kutztown University of Pennsylvania in Kutztown, PA

- Minor in Mathematics
- Honors Student
- Thesis work in grounded semantic analysis; partnership with Psychology department
- Independent study work in information retrieval, data storage

COMPETENCE SUMMARY

“SOFT” SKILLS

- Project management
- Product strategy and direction
- Budgeting, scheduling,
- Policy and procedure development and implementation
- Security and risk analysis
- Quality/process control, improvement
- Requirements analysis
- Interdisciplinary collaboration; interdepartmental coordination
- Principled and practical decision-making
- Oral and written communication
- Client relations; vendor management
- Education, training, mentoring

“HARD” SKILLS

- Secure Software Development Life-Cycle
- Source control, continuous integration, continuous delivery
- Configuration management
- Virtualization and containerization
- Information security
- Automated software testing
- Cloud computing infrastructure
- Microservices architecture
- Mobile/responsive web development
- Language theory / design
- C, C++, C#, PHP, Ruby, Bash, HTML, CSS, Javascript, SQL (esp. MySQL, Postgres, SQL Server), Java, Python, Node.js, ActionScript
- Ruby on Rails, Node.js, Entity Framework, STL, jQuery, Ember.js, Angular.js
- Git, SaltStack, Puppet, Docker, Kubernetes, AWS, PaaS
- Linux (RedHat, CentOS, Fedora, Debian, Ubuntu, Arch, Gentoo, Alpine), Windows (XP, Vista, 7, 10, Server 2k3/8/12), Mac OSX