

# TIMOTHY HAHN

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## EDUCATION

Drexel University, Philadelphia, PA  
B.S. in Computer Science 2014

## PROFESSIONAL EXPERIENCE

*Block, Inc. (formerly known as Square, Inc.)*

Senior Software Engineer

April 2019 to Present

Remote - Colorado, US

- Investigated, diagnosed, and made improvements to payments reliability across multiple services (primarily Java, some Go and Ruby).
- Took a hackweek project and developed it from alpha to full GA product offering: Terminal API
- Worked across multiple organizations to unblock development work and create needed functionality that was missing.
- Mentored several junior engineers, bringing them from new graduate level to independent developers and software designers.
- Created metrics framework and pipeline to track product success rates and overall revenue.

*Bainbridge Health*

Software Engineer

March 2017 to January 2019

Philadelphia, PA

- Primary developer on a greenfield healthcare web platform and responsible for deploying it into production via Kubernetes.
- Made significant improvements to a Python-based data processing workflow.
- Developed a Vue-based web application for users to access and interact with their data.
- Created various services to support core application functionality in Python and Go.

*Curalate*

Software Engineer

March 2014 to February 2017

Philadelphia, PA

- Full-stack software development (Scala, Angular.js) on a marketing and e-commerce platform used by over a thousand brands.
- Wrote and maintained JavaScript (Backbone.js) modules and plugins that were installed on brand websites.
- Ran and developed the on-call system by providing documentation, selecting tools, and defining the process.
- Assisted the DevOps team with migration into a VPC while maintaining uptime during the upgrades.
- Developed internal tooling: including a developer CLI application, a web application to manage project management tools, and many more.

*WareSoft Solutions, Inc.*

Software Developer

August 2013 to March 2014

King of Prussia, PA

- Made client requested improvements to an existing Oracle/Java Struts project, wrote User Acceptance Tests, and documentation for undocumented subsystems.
- Helped develop new ASP.NET based project management software with client specific features and product design.
- Deployed new servers at work, including a SVN server for source code management and a new Linux based deployment server.

*Hewlett-Packard*

Linux Developer

September 2011 to August 2013

Wayne, PA

- Developed and debugged desktop applications for the Linux operating system on both the x86 and ARM CPU architectures.
- Used the QT C++ Libraries and other open source software to create a lightweight customized desktop environment.
- Tested ICA, RDP, and VMWare View connections on Thin Client hardware in order to discover bugs and optimize performance.
- Customized several open source packages to better fit the Thin Client environment, such as Firefox and FreeRDP.

*Magview, Applied Software Inc.*

Desktop Development

June 2010 to September 2010

Burtonsville, MD

- Migrated and rewrote outdated mammography tools from Visual FoxPro to .NET and T-SQL.
- Reverse engineered legacy solutions and built ActiveX controls to ensure software was viable for both older machines and newer machines.
- Created a new tool to help mammogram technicians and radiologists communicate results of a scan to the referring physician.
- Updated an internal communication web application using C# and ASP.NET.

## SKILLS

*Programming Languages:*

Java, JavaScript, Go, Python, Rust, Scala, Shell, TypeScript

*Technologies:* AWS, Ansible, BigQuery, Chef, Docker, Dynamo, GCP, Kubernetes, Looker, MySQL, Packer, PostgreSQL, React, Redis, Snowflake, Terraform, Vue