

# Theodore (Teddy) Widom

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917-689-8329

Full stack software engineer with five years experience building business-critical Scala and Ruby applications. Strong focus on architectural best practices and automated testing. Interested in learning new languages and frameworks and eager to take on complex technical and organizational challenges.

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- TECH** Scala, Spring, Hibernate, IntelliJ, Ruby, Rails, TDD, Git, PostgreSQL, MySQL, Flyway, JavaScript, HTML, Unix, AWS (EB, EC2, IAM, RDS, S3), Aliyun, OOP, FP, Docker
- PORTFOLIO** See [teddywidom.com/portfolio](http://teddywidom.com/portfolio)
- EXPERIENCE**
- Software Engineer*** 2015 – Present  
Recombine / Phosphorus Genomics, New York City  
*Used Scala/Spring/Hibernate to build SAAS products for clinical genetic tests*
- Enabled support for qPCR, dPCR, and AGG assays (\$110,000 monthly savings)
  - Oversaw two major data model refactors affecting 15 repositories
  - Subsetted production data for local development use (\$10,000 monthly savings)
  - Added hierarchical multi-tenancy in 10 apps using Postgres row level security
  - Introduced automated testing and peer code review to software team
- Web Developer*** 2013 – 2015  
InTouch Manufacturing Services, Shenzhen  
*Built and sold a Ruby on Rails app which completely replaced company's legacy system*
- Automatically generated PDFs from user-uploaded photos and comments
  - Built a sophisticated commissions calculator with Postgres window functions
  - Designed and built entire UI/UX with Bootstrap, datatables.js, jQuery file upload
  - Project was 12 times faster from inception to launch than legacy system
  - New UX efficiencies saved staff 2,400 work-hours per month vs. legacy system
- Account Manager*** 2011 – 2013  
InTouch Manufacturing Services, Shenzhen  
*Managed Android tablet PC quality control inspection projects in Chinese factories*
- Designed QC checklists for manufacturing assembly lines and finished products
  - Hired and trained new account managers, oversaw 10 Chinese staff members
  - Helped develop startup sister company in LEAN manufacturing consulting
- PUBLICATIONS** *Technical Blog.* [teddywidom.com/blog](http://teddywidom.com/blog)  
*Methodological Reflections on Typologies for Numerical Notations.* Science in Context. V25, 2012 (with Prof. Dirk Schlimm, Department of Philosophy, McGill University)
- EDUCATION**
- 2016 – 2017, Coursera  
*Parallel Programming*, École Polytechnique Fédérale de Lausanne  
*Data Structures*, University of California, San Diego  
*Functional Programming Principles in Scala*, École Polytechnique Fédérale de Lausanne  
*Introduction to Genomic Technologies*, Johns Hopkins University
- 2007 – 2011, McGill University  
*Bachelor of Arts, Philosophy and Chinese Studies*, Dean's Honor List, 3.88 GPA