

Paul A. Jungwirth

45 Runnemede Ave. Apt. 1
Lansdowne, PA 19050 (Philadelphia area)

pj@illuminatedcomputing.com
909 557-0421

I CAN

- Listen to the customer, clarify their wishes, and discover hidden requirements.
- Lead software teams (so far, up to 4 other developers).
- Coordinate IT, creative staff, programmers, and management across multiple companies.
- Write clear specifications and proposals, whether brief (1 page) or elaborate (200 pages).
- Accurately estimate projects (so far, up to \$250,000 over 3 months for 3 developers).
- Juggle competing priorities.
- Work productively with little supervision.
- Manage customer expectations.
- Argue a point and concede cheerfully if a team chooses something else.
- Design intuitive user interfaces.
- Design a normalized and efficient database schema.
- Design stable class interfaces to ease team-based software development.
- Judge when to build for tomorrow and when to build for now, when to abstract and when to code the thing itself.
- Track down difficult bugs with patience and not superstition.
- Package software so it is easy to install.
- Document and test my code.
- Choose an appropriate technology/platform for a given problem.
- Find existing libraries to avoid Not Invented Here syndrome.
- Evaluate and choose from among different vendors.

I KNOW

Primary Languages	Ruby, Javascript/jQuery, Java, C#, Perl, Python, Bash, SQL
Secondary Languages	C, PHP, PL/SQL, Objective C, Visual Basic
Tertiary Languages*	Applescript, Lisp, Scheme, Prolog, C++, MIPS Assembly, Pascal
Ruby Stack	Ruby on Rails, Haml, Sass, Phusion Passenger, Mongrel, Innumerable gems
Java Stack	Hibernate, J2EE, Tomcat, JSP, Struts, Tapestry, Spring
Cloud	EC2, S3, Heroku
DevOps	Capistrano, Graphite, StatsD, Apache, Nginx, SSL
J2EE	EJB, JBoss, Websphere*, XDoclet, Web Services
XML	SAX, DOM, XSLT, XPath, FO, XSD, DTD, namespaces, XMLRPC, SOAP, WSDL
RDBMSes	Oracle, PostgreSQL, MySQL, MS Access, FileMaker Pro
OSes	Linux (Redhat, Debian, Ubuntu), MacOS X, Solaris, Windows
Social Media	Integration with Facebook, Twitter, Wordpress
Credit Cards	PayPal, Cybercash, Payflo Pro
Shipping	FedEx, USPS, UPS, CorrectAddress
Net	DNS, FTP, SMTP, snoop, tcpdump, iptables, ipchains, ssh, rsync, DHTP
Development Tools	Ant, Maven, Eclipse, vi, Spring, Log4j, Mantis, RPM, RPM, Launch4j
Testing	RSpec, WebRat, JUnit, HttpUnit, Mock Objects, Cactus*, JMeter*
Source Code Control	Git, Github, Subversion, CVS, Clearcase*, RCS, Scmbug
Print	FrameMaker, Miramo, QuarkXPress, L ^A T _E X, Illustrator, Photoshop, Distiller, Apache Poi
Miscellaneous	Unicode, Remind, Gnuplot, X11, GPG

*Limited Experience

I HAVE DONE

Open Source Contributor

- Authored: Launch4j Maven Plugin, SimpleHitCounter Wordpress Plugin, ByeGmail Firefox Plugin.
- Bug reports or fixes: Json.Net, Jurabib, XDoclet, Maven, Zillow.
- StackOverflow contributor with reputation of 1196, as of 22 November 2011.

Founder & CTO

ElectNext, Philadelphia, PA

February 2011–present

- Built web application to help voters find the best candidates, using gamified, crowd-sourced content.
- Accepted to DreamIt, Wharton Venture Initiation Program, and GoodCompany accelerator programs.

Founder

Illuminated Computing, illuminatedcomputing.com

March 2006–present

- Built, expanded, and maintained e-commerce web applications, mostly while in grad school.

Software Engineer

Banta Integrated Media: Internet Solutions, Cambridge, MA

September 2002–August 2005

- Tech lead on several websites; programmed and directed other developers for up to a dozen at once.
- Turned around a failing customer account by negotiation and attention to detail.
- Won more revenue by proposing projects that helped our customers.
- Championed and implemented a continuous build/test cycle.

Technical Services Engineer

Banta Integrated Media: Digital Content Management, Cambridge, MA

May 2001–September 2002

- Implemented custom solutions related to a distributed content management application, including business system integration; output to HTML, XML, and print (QuarkXPress); and inventory/pricing integration.
- Developed an object-oriented API for our Services team to access the content management database (approximately 100 tables).
- Visited customers for requirements gathering, installation, training, and performance tuning.

I HAVE STUDIED

Ph.D. in Classical Studies

University of Pennsylvania, Philadelphia, PA

2007–present

- Robert A. Fox Presidential Prize Fellow.

Greek, Latin, Distributed Computing, other topics

Harvard Extension School, Cambridge, MA

1994, 2001–2005

B.A. in English Literature

Willamette University, Salem, OR

1995–1999

- Tested out of Intro to Programming.
- Took Data Structures & Algorithms, Programming Languages, Machine Organization.
- Minored in mathematics.
- National Merit Scholar.
- Magna cum laude.
- Phi Beta Kappa.

Other

- Eagle Scout.
- California Boys' State.
- High School & College Speech & Debate.
- GRE: 800 verbal, 790 math, 5.5 writing, taken October 2007.
- Active member of Philly.rb, Philly Tech Meetup, PLUG.
- Have given talks on jQuery and Rails ActiveRecord.