

**Curriculum Vitae for Kevin Noonan** (knoonan@rushpost.com, +353 87 978 6282, Twitter: <http://kevinnoonan.com>)  
**Software architect, aged 40.** Postal address: 11 Yale, Ardilea, Roebuck Rd, D14, Eire. Organiser for Ruby & Clojure user-groups.

### Speaking engagements

Clojure: workshop for “Functional Kats” (Apr '14); “Krakow Decompressed” <http://bit.ly/WYPxab> Clojure IRL (Sept '14).  
AngularJS: “Essentially Angular” <http://bit.ly/1fgwCjr> Python IRL (Jan '13). Pip & PyEnv: <http://bit.ly/1hdu062> (PyCon IRL '13).  
Clojure: Clojure IRL (Nov '13) <http://bit.ly/18SmMS3> GTUG (Aug '11) <http://is.gd/3JiEfN> PyCon IRL (Jul '10) Epicenter (Jun '10)  
“Cannibalizing Google App Engine”: Cloud Computing Conference & Expo (Nov '09, California), Java@Cork (Sept '09).  
EuroPython (July '09, Birmingham): a full presentation & lightning talk on Cloud-computing with Python.  
Private presentation (June '09, for a recruitment firm in Dublin): “Serious Networking: Twitter for Business”  
Euruko (May '09, Spain): 2 lightning talks on cloud-computing. IT@Cork (Apr '09, Cork): “Developing with Google App Engine”.  
Python/Ruby IRL event (Mar '09): “Cloudware for Python & Ruby”. IJTC (Jan '09), repeated in Newbay: “Cloudware for Java”.  
PyCon UK (Sept '08): “Facebook Apps in Python”. IOTC (June '08): “Using WURFL and WALL for Mobile Web Development”.  
IJTC (Nov '07): “Jabber/XMPP for IM & Distributed Computing”. BarCamp Galway (Sept '07): “Develop Web Apps with Django”

### S3 Group (Jan – Nov 2014) [Contract web development lead (3 contracts)]

Architecture, web-design, security-design, data-design, code-test-deploy: web portal in AngularJS, JavaScript, Bootstrap; servers in Ruby; Grape, Resque, Redis. Python system to create release doc.s on Confluence. Author of JavaScript single sign-on system.

### Propylon (Sept – Dec 2013) [Contract web development lead (2 contracts)]

Three web portal projects in AngularJS, CoffeeScript, JavaScript, HTML; Lo-Dash (& Underscore.js), Nginx, Python, Django, svn. (Side-projects for clients: wiki site with PHP & MySQL; analysis & prototyping of Android app with QR-code scanner for tickets.)

### Web startup prototyping (Sept 2012 – Aug 2013) [Software architect]

Design and development of social shopping and wish-list app: Clojure, DynamoDB, RubyMotion for iOS: [LikeLoveLust](http://LikeLoveLust.com). After small grant of credit from Google, switched to development of a service for automatic backup of cloud-storage from Amazon S3 to Google Storage: [push2mirror.com](http://push2mirror.com). Client-work: Android app plus PHP site: JavaScript, jQuery, Google Maps & AngularJS. Mini-project: [geop.in](http://geop.in) for country-specific polls. Forked & expanded several open source Clojure projects: [github.com/FreeAgent](http://github.com/FreeAgent)

### Houghton Mifflin Harcourt – US educational publisher (1<sup>st</sup> Mar 2011 – 31<sup>st</sup> Aug 2012) [Contract Java team-lead (7 contracts)]

Leading a team of 4-6 engineers. Greenfield design & development of XML document conversion software, for the content stream of the new flagship "Pinpoint" platform, for the US educational market. Java, XML, XSDs, SQL, web-services, AWS, CentOS. (Devised puzzle & solution for recruitment agency. Joint leader of 'Code Retreat': [is.gd/iCEDhr](http://is.gd/iCEDhr) My Ruby prep-code: [is.gd/IwIYjR](http://is.gd/IwIYjR))

### IBM – Dublin Software Lab (early Oct – late Dec 2010) [Contract, senior Java software developer]

Cloud-hosted in-house incubator for integrated, web-based instant-messaging and telephony product, for corporate customers. Java, Eclipse (RAD), WebSphere Application Server (WAS), CVS, JUnit; JavaScript, Dojo. Creating & consuming RESTful Web Services. Low-level protocol work with SAML, OAuth. LDAP database access with JNDI. Created video demos & documentation.

### Smartbin – technology startup (early July – late Sept 2010) [Contract, senior Java software developer]

Creating server-side infrastructure to support a network of remote smart sensors; including RESTful web-services & EJB3 work. Java, Netbeans, Jboss; ActiveDirectory + JNDI + LDAP; JAX-RS + RESTEasy; JSF (JavaServer Faces) + RichFaces; OAuth.

### Push2Cloud – replicated storage startup (Jan-June 2010) [Software architect]

Work on niche e-commerce site, distributed across social networks, Web and mobile. Consultancy: a few technical interviews. (Side-project: project & development lead on [classometer.com](http://classometer.com): Ruby-on-Rails & Postgres, deployed to Heroku cloud.)

### Whispurr – social networking startup (Nov-Dec 2009) [Consultant software architect]

Design & development of SMS gateway server from scratch using Python & Twisted. Provisioning & managing Amazon EC2 server with Ubuntu Linux and MySQL. Deployed a Red5 video server; patched & rebuilt its Java demos. Google App Engine datastore work (Bigtable). Deployed git for distributed version control.

### Push2Cloud – replicated Cloud-storage startup – July-Oct 2009 [Software architect]

Design and development of the world's first dual-Cloud storage service. Java, Clojure, Eclipse, Ant, Google App Engine & Bigtable database. Amazon EC2, Amazon S3, Ubuntu Linux. HTML & CSS work on Push2Cloud site.

**Out-of-hours: wrote a submission to the Irish Innovation Taskforce:** <http://bit.ly/GNgaEg>

### NewBay – mobile social software firm (May-July 2009) [Contract Java software developer]

Development and testing of LDAP component for large-scale distributed system; work on system-wide call-flow diagrams. Java/Java EE, Spring, IntelliJ IDEA, Perforce, Ant, Maven, Ubuntu Linux, Bamboo, JIRA, JUnit, Tomcat, JMeter, Apache Directory Server, Scrum (agile process). (**Out-of-hours: rehosted “Ruby Ireland” on Google App Engine/Java & Heroku.**)

### push2platform – web-properties (Feb-May 2009) [Software architect]

Design & development of 'push2platform' and associated web-services. Also, design work on cross-platform desktop app. Python, Django, Javascript, Dojo, AJAX, App Engine, BigTable, Twitter API, REST web-services, wxwidgets, Eclipse, git, XHTML, CSS.

**NewBay – mobile social software firm (Jan 2009)** [Contract Java software developer]

Java/Java EE, Spring MVC, IntelliJ IDEA, Perforce, Ant, JSPs, XHTML, CSS, Oracle SQL Developer, Ubuntu Linux.

**Startup project (Apr-Dec 2008)** [Software architect]

Mobile project with WURFL, XML, Google Android, Java, Eclipse. Facebook web-application development with Python, Django, Google App Engine, Ruby-on-Rails, HTML, CSS, PostgreSQL. Design work on video platform with social networking features.

**Davy (Stockbroker) (Dec 2007 - Apr 2008)** [Contract Java software developer (two contracts)]

Development work on private client site revamp. Java EE, Spring MVC, servlets, JSP; SunOne, Oracle stored procedures, PL/SQL; JDBC, SourceSafe, XML, XSLT, HTML, Javascript; Ruby. Designed new build-system. Pushed for new technology adoption.

**Friends First (Oct 2006 - Oct 2007)** [Contract Java software developer (two contracts)]

Features & fixes on brokerfirst.ie; refactoring doc.-generation system; part-time DB management work. Java EE, Weblogic, Oracle, DB2, Hibernate, SQL, JSP, Struts, Tiles, EJB, Castor, XSLT, Xstream, Axis, Spring, Eclipse, CruiseControl; Javascript; Ruby.

**VHI (3rd Aug 2006 - 29th Sept 2006)** [Contract Java software developer (two contracts)]

Development of “self-service” system on VHI site: Java EE, Weblogic, Eclipse, ant, PVCS, JSP, JSF, JMS, EJB, MDB, Log4J.

**Mobile software startup (Jan 2005 - July 2006)** [Software developer]

Research, design and development of client & server platform for mobile-phones using: Java/J2EE: servlets, Java Server Pages (JSPs), JDBC & Swing; Ant, Tomcat, Java ME (J2ME), Jython/Python, XML & XHTML, Jabber, SMS, “Bouncy Castle” crypto, Apache web-server, Xdoclet, Hibernate, PostgreSQL, NetBeans, Forth, Javascript, XUL & Mozilla Firefox extensions.

**AOL Ireland (Dec 2003 - Dec 2004)** [Contract Java & C software developer (two contracts)]

Development with C/UNIX & Java/J2EE of large-scale, distributed, server systems for billing. Use of JMS, JNDI, XML, SAX, JAXP on BEA Weblogic. Use of Linux, Eclipse & Agile methods. Analyst/consultant on one project, as I became a local expert on core AOL server platform. Full life-cycle: requirements, analysis & design; code-build-test, code-reviews & maintenance.

**AIB Capital Markets (Feb - Dec 2003)** [Contract software developer (two contracts)]

Designing & building software components & applications in VB 6.0, VBScript & .NET; using VSS, COM/ActiveX, web-services/SOAP/XML, ADO.NET, regular expressions & crypto. GUI components: design & development with VB/ActiveX. Author of in-house best-practices for ActiveX; & reports on MS SOAP Toolkit, an SQL adapter product & options for refactoring.

**(Round-the-world trip through more than twenty countries. Nov 2001 - Nov 2002.)**

**IONA Technologies PLC (Aug 1997 - June 2001)** [Software engineer & later, deputy team-lead]

Developer on ‘Orbix’ Java/J2EE (CORBA middleware) team, on Solaris, HP-UX & Windows. Web-based GUI design & implementation with HTML, SQL, PHP & CGI/Perl scripts; Apache web-server, MySQL/PostgreSQL: built, installed, scripted & maintained internal sites. Drafted new ‘Getting Started’ guide for Orbix 3.3 doc.s. Perl: dozens of utility & CGI scripts; including database/SQL, regular expressions; created web-based project management system. Requirements & design on ‘Out of the Box Experience’ project, to improve usability of cash-cow, Orbix 3.3. Process-authority role in engineering dept. of over 100. Design-work and presentations to managers. Author of new product-release process for IONA Product Dev., Dublin; & for quality of releases, in core Orbix team. Agile/XP: met Kent Beck, attended his seminars, read ‘XP Installed’ & used XP in IONA. Set up internal search-engine software. QA work on product-releases. Performance-test of Orbix Java against rival CORBA product. All reviews were positive; received bonuses three times. Head of Committee for IONA Sports & Social Club ’98/’99.

**AIB Commercial Banking (one year in total)** [Four summers in AIB Group Headquarters]

Aged nineteen, single-handed design & implementation with MS Quick Basic of three financial calculator programs for new ‘Commercial Fixed-rate Loan’ scheme & AIB Home Mortgages; maintained code of Access loan-database & reworked reports.

**Education**

B.Sc.(Hon.) in Comp. Sci., University College Dublin. First & second year: honours grade in higher math. Third year: A in stats. Courses in IONA: distributed systems, multi-threaded, TCP/IP, advanced Java, CORBA (Orbix 2K, C++, Java), testing, ClearCase. College course in OOP with C++ (full marks); OOD with design patterns; graphics course. Assembly: Z80, 80x86, 6800, 68000. Twice won prize for best speaker, in debates in a UCD society; founded a new branch of a student society and organised events. Leaving Cert: 565 points. Second-level: St. Michael’s College, Dublin. Self-taught Basic, Pascal, Forth, C, DOS batch & assembly. Academic award for first place in class from first through sixth year. Also first in year. Fluent Spanish. Strong French & Irish. Intermediate Portuguese. Basic Italian. Basic Japanese in 3rd year at college: ‘A’ grade.