Bhumit Patel

Curriculum Vitae

Flat 3, 44 Rathmines Road Upper, Dublin, Dublin 6, Ireland
✉bhumit@live.co.uk
☎+353838080983
⌂http://bhumitpatel.me
https://ie.linkedin.com/in/bhumitpatel

Education

University	Imperial College London	*Sept. 2014 - Present*
Degree	MSc. Computing (*Software Engineering*)	
Modules	Software Reliability, Advanced Databases, Pervasive Computing, Privacy Enhancing Techniques, Scalable Distributed Systems Design, Software Engineering for Industry, Systems Verification, Introduction to Bioinformatics, Network & Web Security, Distributed Algorithms.	

University	University *of* Hertfordshire	*September 2011 - June 2014*
Degree	BSc. Computer Science with 1st Class Honours	
Modules	Foundations of Computation, Artificial Intelligence & Robotics, Operating Systems & Networks, Data Driven Systems, Programming Principles, System Requirements, Further Object-Oriented Development A/B, Programming & Program Design.	

School	Copland Science Specialist College	*September 2009 - June 2011*
A-Levels	Physics, Maths (Mechanics), Information Technology, AS Chemistry.	

Relevant Experience

Period	October 2015 — *present*	
Employer	IBM Ireland	http://ibm.com/
Job Title	*Software Engineer*	
Duties		

Period	June 2014 — September 2014	
Employer	Pirean Limited	http://pirean.com/
Job Title	*Junior Developer*	
Duties	Developed a native Android application which helped the company win a bid for a high profile retail client. Implemented an Office 365 plug-in for in-house Identity Access Management system in Java.	

Period	September 2012 — September 2014	
Employer	University *of* Hertfordshire, Department *of* Computer Science	http://herts.ac.uk
Job Title	*Teaching Assistant*	
Duties	Assisted first year CS/IT students during lab sessions. Live coding demonstration during programming lectures, which helps students understand the concepts being taught.	

Period	June 2012 — August 2012	
Employer	Concep Europe Limited	http://concep.com
Job Title	*IT Intern*	
Duties	Importing data from one CRM to another. Responsible for ensuring data was formatted correctly.	

Selected Projects

Project	Personal Blog	https://github.com/bhumit/bhumit.github.io
Role	*Creator*	
Details	Personal website/blog hosted on GitHub Pages using Jekyll with markdown syntax.	

Project	Pay by Data Model for Android - Imperial College London	http://bit.ly/1hgor8Z
Role	*MSc. Individual Project*	
Details	The project was carried out with the Discovery Sciences Group focused on giving smartphone users greater control over their sensitive data by redefining the relationship between app publishers and consumers. The project was implementation of the paper titled Enhanced user data privacy with pay-by-data model by Dr. Wu Chao & Professor Yike Guo. The framework was built as a part of Android Lollipop 5.1.1_r4.	

Project	CryptoLogin Android Application - Pirean Limited
Role	*Sole Android Developer*
Details	Developed an android application which allows registration using camera to scan the QR code which is displayed on the screen at initial login time. After initial login, the user can generate a pass-code by scanning the QR challenge presented which must be entered in the login window, allowing the user to login into Identity Management System.

Project	Office 365 Plug-in for Identity Access Management System (IAM) - Pirean Limited
Role	*Developer*
Details	Implemented an Office 365 plug-in which allows single sign-on for in-house IAM system. The plug-in was written in Java using Spring Framework. Technology used: OAuth 2.0 for Authentication, Jetty as an embedded server, and Office365 API using RESTful service.

Project	Continuous Assessment Tracking System 2.0 (CATE) - Imperial College London
Role	*Team Lead*
Details	Re-engineered the official portal of Department of Computing, Imperial College London, to make it adapt to the modern standards, in terms of design style, and mobile device adaptation. The system helps students to access course materials, submit assessments as well as record their academic performance.

Project	Budget management application for Android - University *of* Hertfordshire
Role	*Final Year Undergraduate Project*
Details	A simple Android budget application for finance management and expense tracking. Technology used: Android Annotations, ORMLite (Lightweight Object Relational Mapping (ORM) Java Package), HoloGraphLibrary by Daniel Nadeau.

Skills

Languages	Java, JavaScript, Python, SQL
	Enjoys: Scala, LaTeX, Ruby, C++, C, Haskell
	Familiar with: CSS, PHP, Scheme, Markdown, Apache Pig, XML, Lua
Tools	IntelliJ IDEA, Android Studio, JMock, Mockito, Jenkins, Travis CI, TeamCity, CodeSpotter, Cucumber, `git`, JUnit, Jackson, Gson, WordPress, Test-Driven Development, Spring, Maven
Services	Amazon S3, Heroku, Parse
	APIs: Twitter, Office365
Databases	MySQL, PostgreSQL, SQL Server, SQLite, DB2
Operating Systems	Microsoft Windows, Mac OS X, Linux (Ubuntu, Mint, Elementary OS, Redhat Enterprise), Android

References available upon request