






# Dean Woodward

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## Profile

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I am a versatile person, with both technical and creative aptitudes, allowing for the detailed analysis of problems, and the ability to think outside the square. I enjoy the immediacy and versatility of mobile applications, and strive to build products displaying both an elegance and understated simplicity, while underpinned by robust coding practices.

## Key Skills

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### iOS Development



Four years practical experience in iOS development, initially in Objective-C, and later Swift. Skills in all aspects of the application creation lifecycle, from conceptualisation, design, prototyping, coding and testing, through to final deployment.

### Agile Development Practices



Regular use of iterative development practices such as Scrum in the development of software projects. Experience in all stages of the Scrum lifecycle including backlog refinement, planning, execution, reviews and retrospectives.

### Web



Practical skills in HTML, CSS, Javascript, JQuery and Bootstrap, gained through work on Ruby on Rails projects, and the construction of numerous app support websites. Experience in using Markdown for Github project support pages.

### Design



A keen eye for design and animation. Proficient in the use of Sketch, Flinto and Framer for designing and prototyping applications. In-depth knowledge of the Apple and Google material design idioms.

### Version Control



Experience using Git/Github version control. Regular use of the Git workflow of branching, pull-requests and code reviews to maintain code quality and facilitate the undertaking of large projects in a controlled and sustainable manner.

## Skills Summary

Skill/Technology/Methodology	Experience (Years)	Last Used	Skill Level (1-5)
Mobile			
Swift	3	Current	4
Objective C	4	Current	4
Xcode	4	Current	3.5
Cocoapods	3	Current	3
Sencha Touch / Cordova	0.5	2013	2
Android	1.5	2013	1.5
Web			
HTML	4	Current	4
CSS	4	Current	4
Ruby on Rails	1	2013	2
Javascript / JQuery	4	Current	3
Bootstrap	3	Current	3
Design			
Sketch	2	Current	3.5
Flinto / Framer	1	Current	3
GIMP	4	Current	3
Support Technologies			
Git	4	Current	3.5
Shell Scripting	2	2016	2
Java	7	2012	3
C / C++	5	2012	2.5
Agile Development			
Scrum	3.5	Current	4

## Experience with the following iOS Libraries / Tools

- Alamofire / AFNetworking
- Eureka / XLForm
- Fabric / Crashlytics
- Facebook / Google Signin
- Fastlane
- Firebase Messaging
- Koloda
- Magical Record
- ObjectMapper
- PromiseKit
- Restkit
- SwiftyJSON

## Portfolio - Published Applications

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### mPloy (Bluetech Ltd)

Brown and Wood



Jobseeker/Employer job matching application, arising out the product owners frustrations with current job advertising practises. Developed using Swift, incorporating social media login, In-app purchases and Firebase messaging and notifications. Using Alamofire and PromiseKit to handle API interactions.

### Pastel Planner (Datacom)

St Mary's College



School planning application developed in collaboration with three students from St Mary's college as part of the 2015 Techhub challenge. Developed using Swift, with MagicalRecord for data persistence and XLForm for data entry. iOS and Android applications designed and prototyped by myself.

### Junction (Datacom)

Datacom



Application allowing users to search for and book meeting rooms, and view meetings for the day. Developed with Swift, using AFNetworking for API interactions. iOS and Android applications designed and prototyped by myself.

### C3 Bush Docket (Datacom)

C3 Ltd



Pre-notification application, which provides carriers the ability to pre-notify the port checkpoint of inbound loads. As the dockets are submitted, an automated piece count is prepared for the checkpoint. Swift application using Alamofire for networking, Eureka for data entry, and MagicalRecord for data persistence.

### Q-Card Mobile (Datacom)

Fisher & Paykel Finance



Co-developed the Q-Card iOS application for Fisher & Paykel Finance, allowing users to view account balances and transactions, along with updating their account settings. The first application developed in Swift at Datacom, using Restkit for networking and object mapping.

### How's it Going (Datacom)

CCS Disability Action



Co-developed the How's it Going application for CCS Disability Action. Allows CCS clients to record and optionally submit a snapshot of their current mindset. Objective-C application using Core Data for offline storage.

### Geodetic Marks (Datacom)

Land Information New Zealand



Co-developed the Geomarks application for LINZ, allowing users to view geodetic mark locations on a map, view details of a specific mark, locate the mark using a compass, and store marks for offline use. A hybrid application developed using the Sencha Touch framework.

## Career History

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### Bluetech Ltd

February 2017 - Present

#### iOS Developer

##### Responsibilities:

- Development, testing and deployment of iOS application.
- Application maintenance and support.
- Peer reviewing code.

##### Technologies used:

- iOS framework, Swift, Xcode IDE, Git, Cocoapods, Fastlane, Crashlytics, Zeplin

##### Achievements:

- Successful deployment of the finished application to the app store.
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### Datacom

November 2012 - June 2016

#### iOS Developer, Mobile Designer, Ruby on Rails Developer

##### Responsibilities:

- Design, development, testing and deployment of iOS applications.
- Application maintenance and support.
- Peer reviewing code.
- Working with back-end developers in the construction of custom API's.
- Conceptualisation, design and prototyping of iOS and Android mobile applications.
- Facilitating mobile design workshops.
- Development and testing of Ruby on Rails applications.
- Front-end web implementation of application designs.

##### Technologies used:

- iOS framework, Swift, Objective-C, Xcode IDE, Git, Cocoapods
- Sketch, Flinto, GIMP
- Ruby on Rails framework, HTML, CSS, Bootstrap, Coffeescript, Sass

##### Achievements:

- Numerous successful application deployments to the app store. Improved turn-around of application lifecycle through investigation of tools and technologies.
- Lifted the standard of Datacom's mobile application design. Introduced the use of dynamic prototypes for improved developer and customer understanding of application concepts.
- Successful implementation of complex web applications.

## Career History (continued)

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### Victoria University

March - June 2011, March - June 2012

#### Student Tutor

##### Responsibilities:

- Tutoring 1st and 2nd year university students and running computer labs.
- Marking student assignments.

##### Technologies used:

- Java

##### Achievements:

- Successfully mentored numerous students through their studies. Consistently achieved assignment marking deadlines while managing personal study.

## Training and Development

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#### Small Team Leadership

September 2015

SoftEd Wellington

#### Requirements Gathering for Agile Projects

December 2012

SoftEd Wellington

## Education

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#### Bachelor of Computer Science

Victoria University Wellington, 2010 - 2012



Studied a range of subjects, including functional programming, artificial intelligence, and databases. Numerous course projects involved the use of native Android development.

#### Certificate in Electrical Engineering

Massey University, Wellington, 1998 - 1999



Two years study towards a certificate in Electrical Engineering. Studied a wide range of electronic concepts and high level engineering mathematics papers.

#### Diploma in Fine Art

Taranaki Polytechnic, 1994 - 1996



Three years studying fine art, majoring in electronic sculpture. This gave me a solid understanding of utilising technical skills to achieve creative outcomes.

## Interests

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Outside of work, I enjoy utilising my technical skills in the creation of musical applications and instruments. Whether it be building a new guitar, writing micro-controller code for a midi controlled device or reading blogs on iOS audio programming, there is always more to learn and then warp sideways. When I'm not puzzling over CoreAudio or reading a Digital Signal Processing book, I'm brewing ginger beer or working on my push-bike in the shed.

## References

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