

Mark Hoogenboom

Software Engineer
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Summary

Software engineer with experience in a wide range of business areas looking forward to contribute to your project. Balances business goals with engineering best practises. Enjoys writing correct, clear and efficient code as well as structuring software at an abstract level.

Experience

Software Engineer (consultant) at Ctrl Group

April 2018 - present

Contributed to client's projects. Transitioned the existing development processes and code base from project driven to product driven. Implemented the vision for Ctrl Group's main product: Fora, a platform to assist healthcare conversations.

SDK Developer (consultant) at Biid

November 2016 – April 2018

Biid provides a mobile digital identity solution based on legally valid certificates. Responsible for the development of mobile SDK's to be used by biid and external app developers. Developed biid's own app based on the biid SDK.

Lead Android Developer (consultant) at Santander UK

January 2016 – November 2016

Member of a project to introduce new software development processes and infrastructure in the retail bank while delivering a replacement of the current banking app. Both the project and product will be build upon by other properties within the global group.

Android Developer (consultant) at Deloitte Digital

February 2015 – December 2015

Developed a next generation banking app for Clydesdale Bank.

Android Developer (consultant) at DigitasLBI

December 2014 - January 2015

Contributed to the Liftshare app for Android, an application to facilitate car sharing.

August 2014 - October 2014

Delivered the customer-facing Android component of an in-store ordering system for Argos.

Software developer (consultant) at Bloomberg LP

June 2013 - June 2014

Worked on the Bloomberg Anywhere application for Android, a subscriber only application which brings the functionality of the Bloomberg Terminal to mobile, specifically on the instant messaging component and the market, economic events and news alerts component.

Mobile developer (consultant) at Paloma Mobile

November 2012 - May 2013

Paloma Mobile targets low-end Android phones on slower networks with the PhotoChat service.

- Developed a prototype of the existing client that adapts media uploads to real-time network conditions.

- Devised a progressive media download protocol and integrated this protocol in a prototype of the PhotoChat client.

- Designed adaptive media storage for use in the PhotoChat client.

Software Engineer (consultant) at Monitise

October 2011 - October 2012

- Team lead in a project to deliver a business banking app on BlackBerry for the RBS Group.

- Extended functionality in an existing consumer banking app for the RBS Group.

- Team lead in a project that delivered a mobile banking solution for the Co-operative Banking Group.

- Developed a white-label mobile banking application for the partnership between Monitise and Visa Europe.

Mobile Application Developer (consultant) at GenieMobile

April 2011 - September 2011

Sole responsible for the GenieMobile applications on the BlackBerry platform. Delivered over 20 event apps, based on a configurable client which features configuration and data syncing, event specific functionality and social network integration.

Mobile Java Developer (consultant) at IG Index

October 2010 - March 2011

- Delivered the second generation of the mobile client to IG's spread betting offering on BlackBerry.

- Developed the third generation of the mobile application for the CFD product, targeted at S60 and Blackberry devices.

Mobile Engineer (consultant) at Omnifone

June 2010 - September 2010

Worked on mobile clients of Omnifone's MusicStation service for Java ME and Android.

Delivered clients for over 50 Java ME, S60, BlackBerry and Android device groups.

Software Engineer at Vodafone

April 2009 - April 2010

In April 2009 Zyb was acquired by the Vodafone Group.

- Worked as a member of the Java ME team with responsibility for a mobile application for Vodafone 360, designed and implemented the core of the application.

- Member of the BlackBerry team with responsibility for releasing a Blackberry application for Vodafone 360.

Developer at Zyb Asp

September 2008 - March 2009

Worked as a developer on a mobile application for backup of contacts and text messages.

Actively involved in the release of the final version of the Java ME client for Zyb.

Software Engineer at ShoZu

June 2007 - August 2008

The ShoZu clients run on a variety of mobile devices and uses a replication engine to synchronise data on the device with data on the server.

- Responsible for the maintenance and further development of the core of the Java ME client.

- Worked on a project to extend the existing Java ME client with a custom UI framework and bring the client's functionality to the same level as the Windows Mobile and Symbian clients.

- Developed a JPEG decoder for devices with low memory and low processing speed.

Software Development Engineer at Design Lifecycle

June 2005 - May 2007

Responsible for Control, a product data management system and the main product of Design Lifecycle.

Software Developer at Klaverblad Verzekeringen

January 2005 - May 2005

Worked as a Java Developer with responsibility for building a relationship management system containing the agents selling the insurance products of Klaverblad.

Consultant at Intermodulair

November 1995 - November 2004

Worked for this consultancy agency as a Adabas/Natural Consultant, Java Coach and Java Developer.

Technologies & Tools

Agile, Scrum, Kanban, OOD, Java, Kotlin, Python, Android, Dagger, RxJava, Room, SQLite, Retrofit, web services, REST, JSON, Rive Scripts, JAX-RS, Tomcat, Spring Boot, Docker, AWS ECS, JPA, SQL, MySQL, AWS RDS, JUnit, Espresso, Continuous Integration, Git, Subversion, Gradle, Maven, AWS CodePipeline, Bitrise, Jenkins, Android Studio, IntelliJ.

Languages

English

(Full professional proficiency)

Dutch

(Native proficiency)

Certifications

Deep Learning

deeplearning.ai on Coursera, July 2018

- Neural Networks and Deep Learning
- Improving Deep Neural Networks
- Structuring Machine Learning Projects
- Convolutional Neural Networks
- Sequence Models

Advanced Computer Security

Stanford CPD, March 2018

- Software Security Foundations
- Writing Secure Code
- Network Security
- Exploiting and Securing Web Applications
- Mobile Security
- Using Cryptography Correctly

Data Manipulation at Scale: Systems and Algorithms

University of Washington on Coursera, February 2017

Machine Learning

University of Washington on Coursera, January 2017

- Foundations
- Regression
- Classification
- Clustering & Retrieval

Game Theory

Stanford University and The University of British Columbia on Coursera, October 2015

Scalable Machine Learning

edX, August 2015

Artificial Intelligence Planning

The University of Edinburgh on Coursera, March 2015

Principles of Reactive Programming

École Polytechnique Fédérale de Lausanne on Coursera, January 2014

Functional Programming Principles in Scala

École Polytechnique Fédérale de Lausanne on Coursera, May 2013

Certified Scrum Master

Xebia, 2009

Certified Business Component Developer for J2EE 1.3

Sun, 2004

Certified Programmer for the Java 2 platform 1.4

Sun, 2003

Education

The Open University

Bachelor of Science (BSc), Computing, 2007 – 2013

- The story of maths
- Pure mathematics
- Number theory and mathematical logic
- Data, computing and information
- Design and the Web
- Building blocks of software
- Software development with Java
- Software engineering with objects
- Developing concurrent distributed systems
- Robotics & the meaning of life
- Natural and artificial intelligence
- The arts past and present

Universiteit Utrecht

Propedeuse, Mathematics, 1991 – 1994