

GERARD BRAAD

SENIOR SOFTWARE ENGINEER

PERSONAL INFORMATION

Chinese name

吉拉德

Date of Birth

22 February, 1981

Nationality

Dutch

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BACKGROUND

Gerard is a passionate developer with a broad range of technical talents. Experienced in developing software for different form-factors, and in different programming and scripting languages. More than 10 years experience in developing applications targeting the web, mobile and desktop. Moreover, he shows excellent technical skills in a wide-range of principles from software delivery, continuous integration and deployment, to testing and performance tuning.

An active consultant for Linux and Open Source in China and as part of this I hold lectures on software development and Open Source.

SPECIALTIES

Web-based application development

(Agile) Project Management

System administration (Linux/Un*x, Windows)

Desktop/web development and cross platform GUI development

Continuous integration and deployment management

Broad knowledge of virtualization technologies

TCP/IP and network protocols

Performance tuning and debugging

F/OSS involvement

EXPERIENCE

IT-related

10+ years

Management

5+ years

Remote working

2+ years

EMPLOYMENT HISTORY

TECHNICAL DIRECTOR

UnitedStack (Beijing), November 2015 - present

UnitedStack Inc. provides an open and commoditized cloud service platform, UOS (United OpenStack) for enterprises and service providers. Gerard's mission is to bridge the gap from open source OpenStack project to a full-fledged and user-friendly cloud product.

RESPONSIBILITIES

Responsible for the daily management of upstream development team

Participating in development of open-source communities such as OpenStack

Providing open-source project, such as OpenStack, related training to customers and internally

Supporting the market and enhance market influence

Assisting sales and solutions teams for customer service and solution support

SENIOR SOFTWARE ENGINEER

InfThink (Beijing), September 2015 - present

Product development as hired consultant dealing with IoT/WoT and HTML5-enabled operating systems. Currently I deal with developing a WoT platform based on Android/FirefoxOS utilizing ideas and techniques used in Platform-as-a-Service. As part of this I wrote a system process which listens to incoming requests to spawn on-device processes for interaction with the front-end code they serve. The backend process can interact with the hardware and other on-device services.

SENIOR FULL-STACK ENGINEER

ThoughtWorks (Beijing), November 2013 - September 2015

Developed the backend and associated front-end code of both desktop and mobile platforms for Fortune 500 companies. A combination of technologies were employed to allow easy integration, such as HTTP resource API, sending data back-and-forth as JSON. Front-end code I wrote used vanilla JavaScript, Angular or React. Where possible it employed HTML5 technology to improve the user-experience. Other activities I involved in was the deployment and maintenance practices of the aforementioned applications.

Since most of the code involved with Personal Identifying Information I focussed for a part of my work on security problems. Because of my work, these applications passed scans of internal security teams and SensePost. For this OWASP security guidelines were used. To aid in finding potential issues a combination of techniques was employed, such as using static code analysis using Fortify and actively scanning applications in use using

Zed Attack Proxy. To prevent similar issues I setup automated regression testing for these security problems.

As part of business development I set up an Embedded and Hardware Lab. One of the projects I made used FirefoxOS to show-off the potential to use this platform for IoT. For hardware access the front-end code would communicate to a Node process running on the device.

Technology used: .NET, HTML5 & Friends, Angular, ReactJS, JQuery, Grunt, gulp, Karma, CucumberJS, SAML, WS-Federation, Go Continuous Delivery, Linux, KVM, ruby, python

ASSIGNMENTS

PwC IAS, International Assignment Services. A suite of applications that helps user to provide necessary information to PwC to help with tax fillings in different countries and territories.

ACTING CTO, TECHNICAL LEAD (STARTUP)

非常好看(FeichangHaokan), October 2011 – April 2013

As part of a collaboration between [Nomovok](#) and FeichangHaokan, I was assigned as Project Manager and acting CTO. A startup was formed for the development of an online contest platform focusing on people and their passions and interests. I was responsible for designing the infrastructure to deliver a scalable platform which can handle thousands of concurrent requests. The platform provided a RESTful interface which delivers JSON responses which are consumed by a web front-end and mobile clients running Android and iOS.

I was responsible for managing remote teams using an agile and distributed working methodology and recruiting the developers for the Chinese office. For [Nomovok](#) I wrote integration code and demonstration applications for use on Nomovok's own SteelRat platform for phone and desktop use.

Tools used: Linux, PHP, CodeIgniter, MySQL, HTML5 & Friends, JavaScript, JQuery, Android, iOS, Qt

TECHNICAL SUPPORT LEAD AND LOCALIZATION TESTER (PROJECT-BASED)

东软集团(Neusoft) (Beijing), July 2010 – October 2011

Part of a large Localization testing project for the MeeGo platform. Dealing with intercultural issues, teaching basic development practices focusing on i18n/L10n and agile management.

As lead of the Technical Support team I am assisting testers with automating test actions, tracing and debugging, creating a suitable testing environment based on the available testsets and create specialized testdata; encoding specific, utilizing special characters, length and size specific, etc.

Refactored a QA tool to track remotely created bugs. Development of a real-time

component to augment Bugzilla's interface with our needed QA components without alteration of the customers Bugzilla codebase.

Implementing Agile practices in a localization testing team; Scrum and Scrum-ban

Tools used: Bugzilla, Quality Center, Linux Workstations (Ubuntu/Fedora), MeeGo/Harmattan, PHP, GreaseMonkey, Node.JS

Awarded with Neusoft MeeGo award for *outstanding performance*.

IT CONSULTANT / IT MANAGER

Sogyo Information Engineering (Netherlands), November 2005 – May 2010

Sogyo provides training and recruitment opportunities for software engineers. Besides being a software engineer, I am responsible for teaching development methodologies and project management (DSDM, XP, SCRUM), Java, C# .NET, Unit Testing, UML and soft skills.

ACHIEVEMENTS

Internal applications based on JBoss, Struts and Hibernate (PostgreSQL), IIS and NHibernate (MS SQL Server) and Java as POJO domain models (DDD).

IT infrastructure. Implemented a fault tolerant setup for the IT infrastructure used by Sogyo. All existing server have been migrated to a completely virtualized environment. Technologies used are VMware, iSCSI, CentOS, Windows 200x, Exchange, Team Foundation Server, Microsoft Dynamics CRM and several others.

ASSIGNMENTS

Command & Control Support Centre, [Ministerie van Defensie \(RNLA\)](#) (Ede) – *Network Centric Warfare*. Applications to support armed forces during missions and operations. My responsibility is the development of the Data Framework, a fault tolerant and secure data distribution framework used by all C2 applications. I have helped different projects to implement this framework and allow their data to be processed in a distributed nature. Cyrus is a Communication Information Management system for which I have helped to develop the geodesic visualization and persistency. ISIS is a Staff Information Management system that aids the military in planning and staging of troops and equipment for which I created a new WPF presentation. VOSS (Very Optimized Soldier System) is an embedded version of the Data Framework which runs on Windows CE and Linux using Mono; persistency is done using SQL Server CE or SQLite. I have also been responsible for the migration of TFS to Git as a Version Control System and introducing Agile methodologies. Technologies used are: VMware ESX/Workstation, Windows as server and workstation platform, SQL Server, .NET, WPF, Linux, PGM, TCP/IP, Cygwin, CruiseControl and Powershell.

VACAM, [Voortman Automatisering](#) (Rijssen) – CAM software for steel manufacturing which is based on .NET and SoftPLC technology. Responsible for a new domain driven design as part of a Visual Basic migration. At Voortman Automatisering I was manager of a small software team of six people.

Showroom Order Entry, [G-Star RAW](#) (Amsterdam) – Application used for ordering

entry during sales sessions. It needed to be stable and fault tolerant for worldwide usage. Technologies used are: .NET, Java/J2EE, CruiseControl, Subversion and Windows XP as deployment platform.

Digitaal Werven (de Bilt) – Development of front-end and back-end of an online assessment and report system. This system has been used to assess the recruitment process of various Dutch and international companies. Technologies used are Linux, PHP, Javascript and MySQL

UEFA Euro 2008, *Summit* (Utrecht) – Registration management system using .NET technologies (DotNetNuke, WCF and NHibernate) and Javascript.

Resilience (de Bilt) – Profile registration system. For this project I have been responsible as an AJAX front-end developer. Technologies used are .NET, HTML/CSS and Javascript.

OIT Inbox, *Belastingdienst* (Apeldoorn) – At the Dutch Taxation Office I have worked as a J2EE software engineer. This application controls the flow of information and activates portal applications which the employer needs to correct or act upon. Technologies used are IBM Websphere, MQ Workflow and Java/J2EE.

SOFTWARE DEVELOPER AND VISUALS ARTIST

self-employed (Netherlands), June 2000 – July 2005

Responsible for the development of (Internet) applications, e.g. a CMS for Spotlight Media. Testing of software and media/logo design for several individuals and companies

SOFTWARE ENGINEER

Tharsis (Netherlands), November 2004 – July 2005

Fulltime developer of applications for Business Process Management using Microsoft .NET and Microsoft Office technologies.

CONSULTANT

Gyrox Business Research (Beijing), August 2004

Application deployment and consultancy for e-alliances

MANAGER

SpotlightMedia (Netherlands), August 2003 – June 2004

Manager of a small software development team. Most part of the earlier activities also included system administration in a combined Windows and Linux environment; System administration, system monitoring and automated failure reporting. Responsible for the development of a Content Management System which is used by several of their customers, website enhancements and all tasks which are part of a web developer.

WEB DEVELOPER

[Max.NL Internet Publishing](#) (Netherlands), January 2001 – July 2003

Internship for MBO (vocational education) and later as a full-time developer. Activities included system administration for primarily Linux and Windows NT, reception work, project management and application development.

PROJECTS

[WOZ Online](#) – Online reporting system for several municipalities of the Netherlands; Apeldoorn, Lelystad, Zoetermeer and others. This project was made using Linux, PHP and MySQL. Most of the data had to be converted from Oracle, Microsoft Access or the StufTax standard to MySQL tables by developing additional conversion tools.

SILK – risk assessment application. Responsible for styling and enabling the web application to run as a desktop application

FIELD ENGINEER

Getronics NV, Networking and Services (Netherlands), August 1999 – January 2000

Internship for MBO (vocational education). Activities included system and network administration and field services. Fields of expertise included: Windows NT, Novell Netware, VMware, Cisco and Unix.

OPEN SOURCE ACTIVITIES

Project Lead, [Fedora Project - MIPS](#)

Co-ordinating and managing the port to the MIPS as a secondary architecture for the Fedora Linux distribution. Activities include the global planning, maintaining contact with third-parties and all other activities as described on the secondary architecture guidelines. This project had been handed over to CS2C and effort went into enabling other projects to port to the MIPS platform. Winner of the Godson Software Competition

Fedora Ambassador Steering Committee Member APAC, [Fedora FAmSCo](#)

Coordinating activities within the Fedora Community and Fedora Regional Mentor for the APAC region and the Chinese Fedora Community (Fedora 中文用户组).

I have been elected to be a member of the Fedora Ambassadors Steering Committee for 2 terms, and have created opportunities to enable growth and enable local/regional leaders of the Fedora project and community in the APAC region.

Also see [Github](#)

EDUCATION

HBO - BACHELOR OF ICT IN SOFTWARE ENGINEERING

Hogeschool van Utrecht (Netherlands), September 2001 – 31 August 2005

Subjects included

application development in Java, principle of computersystems and telematics, mathematical analysis, statistics, computer systems, principles of finance, principles of management, Methods and technique for systemdesign, C programming, databases, datastructures, serverside programming, system- and networkmanagement, discrete mathematics, software quality, software architecture, computer graphics, numerical algorithm and performance, distributed systems, real time embedded systems, human computer interfaces, philosophy, informatics law, CCNA, MCSE

Project Blokken – Open Source educational software. Bugfixing of the C++ version and Java conversion

Computer graphics – 3D environment using Python as embedded scripting language

Distributed systems – online banking systems on Java technologies; MVC, Struts and J2EE

Real time embedded systems – created a teaching program for ARM assembly

Telematics – transition roadmap and case study for IPv4 to IPv6

MBO IN COMPUTER INTERFACE TECHNOLOGY (MK-CIT)

Technische College Ede (Netherlands), September 1999 – 9 July 2001

Focussed on the combination of electronics and computer interfacing.

Subjects included

assembly language, Turbo Pascal, interfacing using ISA, Serial and Parallel I/O, ...

MBO (ELECTRONICS/ELECTRICITY)

[Apeldoorns College][education ac] (Netherlands), September 1997 – July 1999

Subjects included

high-voltage electricity, low-voltage electronics, PID controllers, PLC and SCADA, ...

HONORS AND RECOGNITION

Teaching English as a Foreign Language - TEFL China, September 2013

MeeGo award for outstanding performance – Neusoft, 2011

Winner of the Godson Software Competition, 2011

DSDM Foundations – EXIN, 2006

Microsoft Certified Professional – Developing & Implementing Web Applications with MS Visual C#.NET & MS Visual Studio.NET, 2006

Object Oriented Programming Foundation (OOPF) – EXIN, 2005

Sun Certified Programmer for the Java 2 Platform 1.4 (310-035), 2005

Propedeuse certificate – Hogeschool van Utrecht, 2000

Basic Typewriting – Associatie SMK, 1996

Visual Merchandising – Ahold, 1997