

## Oliver Doepner

Halifax, Nova Scotia  
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### IT Skills

- **Programming languages:**  
Expert level: Java, bash
- **Web Technologies:**  
HTML5, CSS3, XML/XSL, JQuery, Servlets, JSF, Spring Web Flow, GWT, SVG, Unicode / i18n
- **Java Technologies:**  
Java 6/7/8, JEE, Spring, Hibernate, JDBC, JMS, Java Mail, Swing, Web Services, JAXB, JAXWS, Ehcache, Log4J
- **Software Engineering:**  
OOP / OOD, UML, Design Patterns, MVC, Refactoring, Test-Driven Development, Extreme Programming (XP), Agile / Iterative methods
- **Project Management :**  
Confluence, JIRA, Bugzilla, Aegis, OTRS, JSPWiki, MediaWiki
- **Development Tools:**  
IntelliJ, Eclipse, Netbeans, Vim, Maven, Ant, Git, SVN, CVS, Perforce, Teamcity, Hudson/Jenkins, Bamboo, JUnit, HtmlUnit, Selenium
- **Servers / Databases:**  
Glassfish, Weblogic, JBoss, Tomcat, Jetty, Oracle, Postgres, MySQL, MariaDB, Apache Derby
- **Operating Systems:**  
Debian GNU/Linux, Ubuntu OpenSolaris, MacOS X, Windows, Cygwin

## Professional Profile

I am a Software Engineer and IT professional with a focus on object oriented development and design, preferably using Java and Open Source components.

My [IT skills](#) are based on 20+ years of hands-on programming experience, [professional software development](#) since 1995 and a broad [academic background](#).

I help teams to achieve quality results and customer satisfaction through practices like intention-driven development, continuous integration, frequent code reviews and controlled refactoring.

I have [developed applications](#) in domains like aerospace, internet services, oil & gas, steel, postal services, finance, government and small businesses.

## Education and Studies

### University of the Saarland, Germany

1998-2002 State examination in [Mathematics](#) and [German](#)  
1995-1998 Intermediate Diploma in [Computational Linguistics](#)

### IBM Scientific Centre, Heidelberg, Germany

Summer 1996 Research project in Computer Assisted Language Learning (CALL)

### University of Sussex, United Kingdom

1994-1995 [ERASMUS](#) scholar, Certificate in [Maths](#) & [Informatics](#)

### Technische Universität Darmstadt, Germany

1991-1994 Intermediate Diploma in [Maths](#) and [Informatics](#)  
1991-1993 Intermediate Examination in [History](#)

### Claus-von-Stauffenberg Schule, Germany

until 1990 High School Diploma, highest GPA of the school year

## Work experience

### IMP Solutions, Halifax, Nova Scotia

2015-now Software Developer: Helicopter Maintenance, Java, GWT, Hibernate

### CGI, Halifax, Nova Scotia

2008-2015 Senior Consultant / Software Engineer: Enterprise Java systems

### SupportSoft, Halifax, Nova Scotia

2007-2008 Software Engineer: J2EE, JMS, Caching, Web Services, Unit testing

### iKu Systemhaus AG, Saarbrücken

2002-2004, Software Engineer: Swing and Web client/server applications, email  
2005-2006 security solutions, all stages of the software development life cycle

### University of the Saarland, Maths Teaching Library

1999-2001 Library Assistant, Linux admin, Java developer, online catalog search

### i2c Systems, Bad Homburg

2000 [Requirements](#) and Design for multi-language J2EE applications

### DFKI Saarbrücken, Language Technology Lab

1995-1996 R&D assistant : Semantic data extraction, Web development

### KfW Bankengruppe, Frankfurt/Main

1995-1999 Software Developer : Object-oriented user interfaces, Oracle DB, C++

### Desktop Display Ltd., Brighton, UK

1995 Internship as web developer using NCSA webserver

# Software Projects

In all of these projects I worked as principal / core developer or team lead:

**IMP Solutions – FMAS:** The Fleet Management and Analytics System is the integrated software suite supporting the maintenance of all Canadian Search and Rescue helicopters.

*[ Java 7, Hibernate, Lucene, GWT, MariaDB, Tomcat, IntelliJ, SVN, Maven, Linux, Atlassian tools ]*

**CGI - Capital Markets:** As a senior software engineer I worked for a large international investment bank on advanced Java features of complex systems and provided technical guidance to our developer teams in business domains like Clearing, Risk Management and Fixed Income.

*[ Java 7, JPA, Spring, Oracle, Coherence, Tibco, JMS, JGroups, IntelliJ, Maven, Jenkins, Nexus, Linux ]*

**CGI - Oil & Gas AMS:** I was the Senior Software Engineer for our service delivery to a major Canadian oil & gas company, maintaining 150+ Java based web applications, with a team of 5 - 10 Java Developers.

*[ Java 6, Tomcat 6, IntelliJ, Struts, JSP, GWT, Spring, Hibernate, iBatis, Ant, RMI, Confluence, JIRA, Bamboo ]*

**CGI - Wealth Core Platform:** During one of the biggest software projects at CGI, I served as Technical Lead for the UI layer, building a custom framework, coordinating about 10 developers across four CGI locations.

*[ Java 6, Spring Web Flow, JSF 1.2 / Facelets, Tomcat 6, Spring, JAXB, JUnit, Eclipse, Maven, Hudson/Jenkins , SVN ]*

**CGI - Canada Post - BDT:** Business tool that prints all paperwork and automates the shipping process.

*[ Java 5, Spring, XML/XSL, XSL-FO, Apache FOP, TestNG, PdfBox, Weblogic, IntelliJ IDEA, Maven, SVN ]*

**SupportSoft - ServiceGateway:** Remote management of home network devices using TR-069

*[ J2EE, Weblogic, JBoss, EJB, JMS, Web Services (XFire), EhCache, Oracle 10g, Perforce, Adobe Flex ]*

**iKu - SPONTS:** A Java based SMTP, POP3 and IMAP proxy that provides mailserver security features.

*[ Java, SMTP/S, POP3/S, IMAP/S, Apache Tomcat, Hibernate, Apache Derby, I18n, Embedded Linux ]*

**iKu - LI Inspektor:** Lawful Interception (LI) testing tool for the German Federal Network Agency

*[ Java, JSF/MyFaces, Hibernate, JavaMail, Apache FTP, POP3/S, IMAP/S, SMTP/S ]*

**iKu - Bodward:** An email monitoring store that plugs into Lawful Interception solutions

*[ Java, Apache FTP API, Java RMI, TCP networking, Hibernate, Apache Derby, dom4j ]*

**iKu - emVisu:** Visualizes heavy plate temperatures for the steel manufacturer Dillinger Hütte GTS

*[ Java Swing, Custom Swing Widgets / LayoutManager, RMI, JMS, JDBC, MySQL ]*

**iKu - AutoCool:** Cooling plans visualization and process control for Dillinger Hütte GTS

*[ Java Swing, Input Validation Framework, DAO Pattern, JDBC, MySQL ]*

**iKu - HSA Control:** Steel plate branding machine control UI for Dillinger Hütte GTS.

*[ Java Swing, JMS, RMI, Custom Datagram Protocol, C struct parsing ]*

**iKu - Plakatdrucker:** A webshop for customizable print products

*[ Apache Tomcat, JSP Custom Tags, CSS, Apache FileUpload, JavaMail, JDBC ]*

**iKu - IceWorld:** Monitoring and configuration tool for the N-TEC Icebox RAID system

*[ Java, Tomcat, JSP Custom Tags, CSS, RXTX/Comm, RMI, Java Swing, Swing DnD ]*

**iKu - CashTrend:** Calculation and generation of financial OpenOffice documents based on customer data

*[ Java Swing, OpenOffice Java API, JDBC, MySQL ]*

**MdBib:** Online Public Access Catalogue (OPAC) for a library of at the University of the Saarland.

*[ Apache Tomcat, Apache Jserv, Java Servlets, MySQL ]*

**KfW - Infrastruktur:** Migration of the mainframe based IT of KfW Bankengruppe to a client/server infrastructure.

*[ OOD/OOP, Gupta/Centura, Win32 API, C++, IBM RS/6000, IBM IMS, Oracle DB ]*