

# Einar Valen

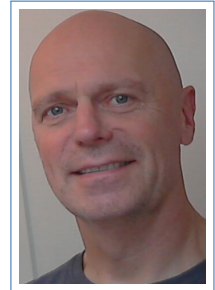
*Software Engineer*

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🌐 <http://www.einarvalen.com>



*Software development, Software Architecture, Systems  
Integration*

On top of a Bachelor Degree, I have more than 25 years of professional experience from the IT industry – doing consulting and software development work - international project- and contract development in a variety of industries: IT & Electronics, Oil & Gas, Construction, Health Care, Publishing, Banking & finance, Government ...

Throughout my career, I have had full software life cycle project responsibilities through requirements, analysis, design, development, implementation, documentation, user training, maintenance and management. I have had lead roles and solo assignments - working on applications such as Enterprise Portals, ERP, Logistics, Banking, Business process automation and tracking, Business Intelligence, Operations and more.

I started off, programming Cobol and assembler on mainframes/minis, via 4GL and SQL I moved on to Unix, C and later Windows, Linux, C++ and Object Orientation. Since 1997 I have accrued a varied Java development experience. Over the years I have touche on many development methodologies. Waterfall based at first, later iterative, agile ones. I have international work experience from the US, Scandinavia, UK and Australia. I am fluent in English and Scandinavian and also used to speak some German.

I am used to high paced, high pressured, work situations. - I am easy to work with and do well in mentoring and lead roles. My communication and documentation skills are very good. I like a challenge, I am creative and can think outside the box, and I push myself hard to deliver quality results on time.

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**Einar Valen**

## Expertise

### Programming Languages

- Expert **Java, C++**
- Advanced **C/C++, Ruby, SQL, HTML, bash**
- Intermediate **Javascript, Python, Go, D, Cobol, Assembler, Awk**
- Basic **Groovy, Fortran, Pascal**

### Databases

- Advanced **Oracle, DB2, MySQL/MariaDB**
- Intermediate **PostgreSQL, Teradata, Netezza, SQL-Server**
- Basic **CoachDB, MongoDB**

### Operating Systems

- Expert **Linux**
- Advanced **AIX, Solaris, HP-UX**
- Intermediate **Windows**

### C++ APIs

- Advanced **Poco C++ Libraries**
- Basic **ZeroMq, Qt, Boost**

### DevOps Tools

- Expert **Maven, Puppet, Git**
- Advanced **Ant, Subversion, Make, VirtualBox**
- Intermediate **VMware, Jira, Confluence, Jenkins, Docker**
- Basic **Vagrant**

### Java APIs

- Expert **Spring Framework, Servlets, JDBC, EJB**
- Advanced **JPA, JMS, JAX-WS, JAX-RS, Cxf, Axis**
- Intermediate **Hibernate, Play Framework, Ebean, Netty, JAXB, Jmx, Awt, Velocity**
- Basic **Portlets, JAAS, Struts, Swing**

### Backend Technology

- Expert **SOA, jBoss, Tomcat, WebSphere AS, OpenMq**
- Advanced **Jetty, ActiveMq, WebSphere-Mq**
- Intermediate **Mule/ESB, WebSphere PS, IBM Content Manager, OC4J**
- Basic **WebLogic, Oracle Access manager**

## WEB Technology

Advanced **REST, SOAP, XML, HTML, Json, Javascript**  
Intermediate **CSS, Dojo, Httpd, JSP, SAML**  
Learning **AngularJS**

## Testing Tools

Expert **jUnit**  
Advanced **Googletest(C++), Easymock, Mocito**  
Intermediate **Valgrind, Cucumber**

## Development methods

Expert **Test-Driven-Development**  
Advanced **Scrum, Data Modelling**  
Intermediate **UML, Kanban**

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## Education

- 1983-1985 **Business College**, *Høgskulen i Telemark*, Norway,  
"Høgskolekandidat IT", US equivalent: B.A. Computer Science.  
Major in IT, minor in Marketing  
[www.hit.no/english](http://www.hit.no/english)
- 1979,1986 **University**, *University of Bergen*, Norway,  
Undergraduate level courses.  
in IT and business  
[www.uib.no/en](http://www.uib.no/en)
- 1980-1981 **Military academy**, *Sjøforsvarets Gymnastikkskule*, Norway,  
Navy officer.  
Major in PE  
[www.mil.no/sjo/start](http://www.mil.no/sjo/start)

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## Certifications

- 2007 Sun Certified Business Component Developer (SCBCD)  
2002 Sun Certified Java Programmer (SCJP)  
2001 IBM WebSphere Application Server Specialist

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## Courses

- 2010 Clean code with Robert C Martin  
2009 MuleESB  
2004 IBM WebSphere Studio Application Developer 5  
2002 IBM DB2 Content Manager & Enterprise Information Portal 7.2  
2002 IBM WebSphere Portal Server 4.1  
...

## Employment

### Vocational

- 08.05-present **Software Engeneer**, SELF EMPLOYED, Norway,  
www.einarvalen.com.  
Clients: Evry (software services), Tv2 (media), Intelcom (software), Bergen kommune (government), Nav (social security), Norsk Eiendomsinformasjon (software services) DnB (finance), Watts Water Technology, Statens Vegvesen.
- 10.03-07.05 **Chief Consultant**, EMENTOR, Norway,  
www.ementor.com.  
Contract software development for clients: DnB (banking), Ren(energy).
- 11.00-10.03 **Senior Consultant**, SPHERION TECHNOLOGY, Phoenix, AZ, USA,  
www.spherion.com.  
Software development for clients: American Express, ADOT (government), Kaiser Permanente (health care) Boston Market (catering)
- 08.99-10.00 **Software Engineer**, SCASE, Norway,  
www.scase.no.  
Software development in-house and for clients. Clients: Haukeland sykehus (health care), Norcem (construction), Gilde (food industry).
- 10.93-10.99 **Senior Consultant**, I-COM, Norway,  
Out of business.  
Roles: Project manager, Product manager, Software development. Clients: Statoil (oil and gas), Hewlett&Packard
- 10.91-10.93 **Systemplanlegger**, CITY OF BERGEN, Norway,  
www.bergen.kommune.no.  
Roles: IT manager, project manager.
- 07.85-10.91 **Consultant, Senior Consultant**, DATATJENESTER, Norway,  
Out of business.  
Software development in-house and for clients. Clients: Mobil Oil, Capelen (publisher)

### Miscellaneous

- 07.82-10.82 **Instructor**, SKILLTREC -SCHOOL OF HILL SKILLS, NSW, Australia,  
Out of business.  
Skiinstruction
- 07.79-06.82 **Fenrik (2nd lieutenant)**, NORWEGIAN ARMED FORCES, Physical training officer,  
forsvaret.no.

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## Resent Assignments

- 01.10.19-21.11.19 - **ATEA, Norway**, – Nordic IT infrastructure company .  
Java development. Making a working prototype ready for microservices cloud deployment and continous delivery.  
project was **Technology:** Spring Boot, Docker, Azure DevOps, Terraform, Vault, Consul, PostgreSQL  
stopped **URL:** [www.atea.com](http://www.atea.com)  
**Reference:** Tore Pehrsson, [tore.pehrsson@atea.no](mailto:tore.pehrsson@atea.no) +47 982 16 523
- 02.15-present **Statens Vegvesen, Norway**, – Norwegian Public Roads Administration.  
DevOps assignment: - Developing automation solutions for provisioning of Linux and Window servers, setup of Tomcat-, Httpd and datasources, - selfservice application deploy and secrets handling. Including also a set of supporting services.  
**Technology:** RHEL, Apache Http-server, Tomcat, Mcollective/ActiveMq, Puppet, Bash, Groovy, Ruby, Python, Javascript/Typescript, Angular, D, Go, Java, MariaDB, Oracle, Git, Docker  
**URL:** [www.vegvesen.no/en/Home](http://www.vegvesen.no/en/Home)  
**Reference:** Geir Hestad, [geir.hestad@vegvesen.no](mailto:geir.hestad@vegvesen.no) +47 474 14 626
- 09.14-01.15 **Watts Water Technologies, Amsterdam, Netherlands**, – Manufacturing.  
Data integration for Data Mart project and Master Data Management project.  
**Technology:** Global manufacturing enterprise, Paralell-databases, Netezza, SQL, IBM-Information Server, WebSphere, Datastage, MDM, Datawarehouse  
**URL:** [www.wattswater.com](http://www.wattswater.com)  
**Reference:** Tore Pehrsson, [tore.pehrsson@intelcom.no](mailto:tore.pehrsson@intelcom.no) +47 982 16 523
- 04.14-10.14 **DnB, Norway**, – Banking.  
Analysis and tuning of Teradata sql-scripts in performance critical ETL jobs.  
**Technology:** Financial corporation, Paralell-databases, Teradata, SQL, Datastage, Datawarehouse  
**URL:** [www.dnb.no](http://www.dnb.no)  
**Reference:** Henning Larsen, [henning.larsen@intelcom.no](mailto:henning.larsen@intelcom.no) +47 986 90 548
- 04.14-08.14 **Intelcom, Norway**, – Software.  
Helped transition C++ project into Test-Driven-Development - writing C++ unit tests and mentoring project team in TDD. Also aided in Java-EE backend architecture assessment.  
**Technology:** C++, google-test, Poco, Java-EE  
**URL:** [www.intelcom.no](http://www.intelcom.no)  
**Reference:** gaute Heimstad, [gaute.heimstad@intelcom.no](mailto:gaute.heimstad@intelcom.no) +47 982 172 34
- 09.13-03.14 **Norsk Eiendomsinformasjon, Norway**, – Software services.  
Development of a WebService API for internal and commercial use.  
**Technology:** Java, Play framework, Ebean, SQL, Linux, Soap web services.  
**URL:** [www.eiendomsinfo.no](http://www.eiendomsinfo.no)  
**Reference:** Terje Samdal [tsa@eiendomsinfo.no](mailto:tsa@eiendomsinfo.no) + 47 915 38 171, Martin Borthen, [mbo@eiendomsinfo.no](mailto:mbo@eiendomsinfo.no) +47 563 311 60
- 02.13-07.13 **Evry Financial Services, Norway**, – Software services.  
Bank system development. Hired to augment a team of developers rewriting an outdated Cobol based banking back-end to Java.  
**Technology:** Java, Spring, Camel, Soap Web-Services, Oracle DB, JPA, Jms, WebsphereMq, Git  
**URL:** [www.evry.com/it-services/financial-services](http://www.evry.com/it-services/financial-services)  
**Reference:** Geir Willy Rogde, [gwrogde@gmail.com](mailto:gwrogde@gmail.com) +47 932 877 71, Jon Harald Øymyr, [Jon.Harald.Oymyr@evry.com](mailto:Jon.Harald.Oymyr@evry.com) +47 957 23475

11.12-01.13 **TV2, Norway**, – media.

Part of a team, assembled by Evry, to suggest, prototype and evaluate various software architecture scenarios for a new software platform for the TV network.

**Technology:** Java, JEE, Spring, ActiveMq, Camel, Mule, Glassfish, Jetty, Jms, Rest (JAX-RS), RSS, Oracle XMLDB, Xquery, RDF, Jena

**URL:** [www.tv2.no](http://www.tv2.no)

**Reference:** Sandvik Oddmar, Oddmar.Sandvik@evry.com +47 954 956 10

01.12-10.12 **Intelcom, Norway**, – IT'.

Development team coaching and software architecture. Helped select, and built the foundation software architecture for the new generation of their iKnow software. Trained the team in Test Driven Development, new tool-set and Scrum agile methodology.

**Technology:** Java, Scrum, Test Driven Development, Git, Maven, Spring, JPA, Hibernate, Rest, Netty, C++, Poco, ZeroMq, Javascript, Dojo

**URL:** [www.intelcom.no](http://www.intelcom.no)

**Reference:** Tore Pehrsson, tore.pehrsson@intelcom.no +47 982 165 23

- 09.07-01.12 **City of Bergen, Norway**, – Local government.  
 Contract development for the city government IT department, establishing an open source based platform for Service Oriented Architecture:  
**URL:** [www.bergen.kommune.no](http://www.bergen.kommune.no)  
**Reference:** Steinar Carlsen, Steinar.Carlsen@bergen.kommune.no +47 926 994 43  
**Technology:** Enterprise Java, Spring, Scrum, Test Driven Development, Git, Maven, Linux, Jboss, OpenMq, Mule, Oracle, Apache, Grails  
**Technical lead developer roles for following sub-assignments:**
- Legacy systems integration (ldap, ftp, jdbc, jms, ssh, pop, soap, rest),
  - Federated Single Sign On (saml, pki, Altin, Minid, Oracle Access Manager),
  - Business process automation (SOA),
  - Safe end-to-end transport of classified information (SSL/TLS, Java Cryptography Architecture),
  - Safe electronic communication channels between city-government and citizen,
  - Operations monitoring (jmx, HpOpenView)
- 03.07-10.07 **NAV, Norway**, – Norwegian Labour and Welfare Administration.  
 Contracting development – solo assignment - upgrading the clients corporate web application development framework.  
**Technology:** JMX, Single Sign On, SAML, Sun iPlanet Federation Manager, Servlets, JSP, EJBs, Hibernate, Spring, Struts, Maven, junit, Python scripting, Test driven development  
**URL:** [www.nav.no](http://www.nav.no)  
**Reference:** Ida Kristine Dørum, Ida.Kristine.Dorum@nav.no +47 94334486
- 12.03-03.07 **DnB, Norway**, – On-line Banking.  
 Contracting for a team developing a corporate on-line banking Enterprise Java application. Iterative full cycle development – from spec to production. My primary focus was on WebSphere to mainframe connectivity (integration).  
**Technology:** On-line Banking Portal, Mainframe legacy, systems integration, WebSphere Admin, J2EE development, JMS, MQ-Series, JDBC, DB2, SQL, XML, jDom, Axis, Web-Services, JCA, CCF, Security, junit, Log4J, JavaScript, html, jhtml  
**URL:** [www.dnb.no/en/business](http://www.dnb.no/en/business)  
**Reference:** Tore Frekahug, Tore.Frekhaug@dnbnor.no +47 975 825 65

## Languages

English	<b>Fluent</b>	
Norwegian	<b>Fluent</b>	<i>Mothertongue</i>
German	<b>Basic</b>	<i>Rusty conversational</i>

## Interests

- Ice Hockey
- Kayaking
- Alpine Skiing
- Programming