Einar Valen

Software Engineer

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Norway
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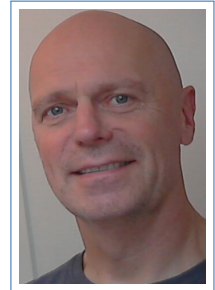
Software development, Software Architecture, Systems Integration

On top of a Bachelor Degree, I have more than 30 years of professional experience from the IT industry – doing consulting and software development work - 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 DevOps automation 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 and picked up many more development languages. Over the years I have touched on many technologies and development methodologies. Waterfall based at first, later iterative, agile ones.

I have international work experience from the US, Scandinavia, UK, The Netherlands and Australia. I am fluent in English and Scandinavian and I 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**
Advanced	**C/C++, D, Ruby, SQL, bash**
Intermediate	**Python, Go, Groovy, Cobol, Javascript, Typescript**
Basic	**Rust, 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, Docker, Jenkins**
Intermediate	**Vagrant, Consul, Kubernetes, Google Cloud**
Basic	**VMware, Jira, Confluence, Azure, GPE, GitLab**

Java APIs

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

Back-end Technology

Expert	**Microservices, Tomcat, WebSphere, ActiveMq**
Advanced	**SOA, jBoss, WebSphere, OpenMq, Jetty**
Intermediate	**Apache-Httpd, Mule/ESB, WebLogic, IBM Content Manager**
Basic	**Kafka**

WEB Technology
Advanced	**REST, SOAP, XML, HTML, Json**
Intermediate	**Angular, CSS, Dojo, JSP, SAML**

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

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

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
1979,1986	**University**, *University of Bergen*, Norway, Undergraduate level cources. in IT and business www.uib.no/en
1980-1981	**Military academy**, *Sjøforsvarets Gymnastikkskule*, Norway, Navy officer. Major in PE www.mil.no/sjo/start

Certifications

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

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
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Employment

Vocational

08.05-present   **Software Engineer**, Self employed, Norway,
www.einarvalen.com.
Clients: TietoEvry, Intelcom, Ambita, Atea (IT services), Tv2 (media), Nav, Statens vegvesen, Bergen kommune (government), DnB (finance), Watts Water Technology (manufacturing)

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, Cappelen (publisher)

Miscellaneous

12.79-4.80   **Ski-instructor**, Dalseter Høyfjellshotel, Vinstra, Norway,
www.lillehammer.com/overnatting/dalseter-hoyfjellshotell-p630453.
Ski-instruction

07.79-06.82   **Fenrik (2nd lieutenant)**, Norwegian armed forces, Physical training officer,
forsvaret.no.

07.82-10.82   **Instructor**, Skilltrec - School of Hill Skills, NSW, Australia,
Out of business.
Ski-instruction

12.82-4.83   **Ski-instructor**, Tyin Høyfjellshotel, Jotunheimen, Norway,
Out of business.
Ski-instruction

11.79-12.82   **Ski-instructor**, Brittish Royal Marines, Telemark, Norway,
www.royalnavy.mod.uk/royalmarines/.
Ski-instruction

Resent Assignments

06.21-present **DnB**, *Norway*, – Financial services.
Adding new, and maintaining existing Java services - replacing outdated mainframe servises.
Technology: Java, Linux, DB2, MQ-Series, Azure
URL: https://www.dnb.no/
Reference: Bard Arve MidtBo, bard.arve.midtbo@dnb.no +47 959 685 03

06.20-06.21 **Google**, *Netherlands*, – IT service and software.
Migrating mainframe system to cloud.
Technology: Java, IBM-iseries, Google Cloud, Linux, DB2, GitLab
URL:
Reference: Arif Hameed, arif_hameed@yahoo.com +44 774 092 2778

01.20-06.20 **TietoEvry**, *Norway*, – International IT service and software.
Working with a Java Architect group in Tieto Financial Services - doing mainly development support and DevOps related work in the QA automation pipeline.
Technology: Linux, Spring, Microservices, Jenkins, Groovy, Java, Maven, DB2, Oracle, Git, Docker, Kubernetes, Conslul
URL: www.tietoevry.com/
Reference: Geir Willy Rogde, geirwilly.rogde@tieto.com +47 932 87 771

10.19-12.19 - project was stopped **ATEA**, *Norway*, – Nordic IT infrastructure company .
Java development. Making a working prototype ready for micro-services cloud deployment and continuous delivery.
Technology: Spring Boot, Docker, Azure DevOps, Terraform, Vault, Consul, PostgreSQL
URL: www.atea.com
Reference: Tore Pehrsson, tore.pehrsson@atea.no +47 982 16 523

02.15-12.19 **Statens Vegvesen**, *Norway*, – Norwegian Public Roads Administration.
DevOps assignment: - Developing automation solutions for provisioning of Linux and Window servers, setup of Tomcat-, Httpd and data-sources, - self-service application deploy and secrets handling. Including also a set of supporting services.
Technology: RHEL, Apache Httpd-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
Reference: Geir Hestad, 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, Parallel-databases,Netezza, SQL, IBM-Information Server, WebSphere, Datastage, MDM, Data-warehouse
URL: www.wattswater.com
Reference: Tore Pehrsson, tore.pehrsson@atea.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, Parallel-databases, Teradata, SQL, Datastage, Data-warehouse
URL: www.dnb.no
Reference: Henning Larsen, henning.larsen@atea.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 back-end architecture assessment.
Technology: C++, google-test, Poco, Java-EE
URL: www.intelcom.no
Reference: gaute Heimstad, 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 commersial use.
Technology: Java, Play framework, Ebean, SQL, Linux, Soap web services.
URL: www.eiendomsinfo.no
Reference: Terje Samdal tsa@eiendomsinfo.no + 47 915 38 171, Martin Borthen, 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 and C++ 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
Reference: Geir Willy Rogde, gwrogde@gmail.com +47 932 877 71, Jon Harald Øymyr, 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
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
Reference: Tore Pehrsson, tore.pehrsson@atea.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
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 Labor 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
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
Reference: Tore Frekahug, Tore.Frekhaug@dnbnor.no +47 975 825 65

Languages

English	**Fluent**	
Norwegian	**Native**	
German	**Basic**	*Rusty conversational*

Interests

- Ice Hockey
- Kayaking
- Alpine Skiing
- Programming