

Name Per Olav Kroka  
Date of birth 24.04.1971  
Nationality Norwegian  
Language Norwegian (native), English  
Profession Electronics, telecommunication and Computer science engineer  
Position Software Engineer

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## EXPERIENCE SUMMARY

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**Engineer (bachelor) within electronics, telecommunication and computer science.**

**More than 20 years of working experience in software programming for embedded systems everything from drivers to user interface.**

**Have developed modems and mobile phones (Ericsson), inverters (Eltek) and Free Space Optical units (FSOs) (Polewall).**

**Target platforms have been baremetal, ENEA OSE,  $\mu$ C/OS, Linux and Windows.**

**Coding languages: mainly C, but also C++, C#, Perl, Python, HTML, JavaScript and CSS**

**Development tools: Eclipse with variations, Code Composer Studio and MS Visual Studio.**

**Version control tools: IBM Rational ClearCase SCM, Surround SCM (Seapine Software) and Git SCM.**

**Invented a technique for communication between processes on multiple processors.**

**Fluent English (written and spoken), native Norwegian. Willing to travel.**

## EXPERIENCE

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08.19 – Present SPEO Products AS

**Software Engineer**

- Develop technology for electro-hydraulic solutions
- Programming (C, HTML, JavaScript)
- Embedded design

10.14 – 08.18 Polewall AS

**Senior Software Engineer**

- Programming (C, HTML, JavaScript, CSS)
  - Linux: Drivers, tools, web-server
  - Baremetal (no OS)
- Build environment setup and maintenance
- Other technologies:
  - Ubuntu/Linux, Embedded Linux, Xilinx Zynq (ARM),
  - Eclipse, bash, make, gcc etc, Git SCM

11.10 – 01.14 Eltek (Valere) AS Kristiansand

**Embedded Software Engineer**

- Programming (C/C++/C#)
  - Firmware for the controlsystem
  - Userinterface
  - PC-tools for service and support commandline and GUI
- Other technologies:
  - CAN-bus, MOD-bus, web-server
  - Eclipse (NetBurner), Code Composer Studio (TI)
  - Git SCM, Surround SCM (Seapine Software), Test Track (Seapine Software)

06.96 – 06.10 ST Ericsson AS

**Senior Development Engineer**

- Programming (C, Perl, Python, etc):
  - Firmware for Ericsson and ST-Ericsson data communication product
  - DOS and Windows terminal program
  - Tools for development and maintenance
- Other technologies:
  - Modem, GSM/GPRS, EDGE, WCDMA, HSDPA and LTE
  - IBM Rational ClearCase SCM

**EDUCATION**

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1995 – 1996

Cand. Mag. – Electronics, Telecommunication and Computer science

1992 – 1995

Bachelor – Electronics, Telecommunication and Computer science

**COURSES**

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- Brannforebyggende arbeid i virksomheten
- Sivilforsvarets grunnkurs for brann-/redning-/sanitærmannskaper