

Paul Kröner

Software Engineer

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Currently Freelance Software Engineer, living in Germany, 71522 Backnang (near Stuttgart).

Introduction Hello, my name is Paul, born in 1984. I am a passionate Software Engineer. In the last years my main technical focus was .NET / ASP.NET, developing web applications and APIs. Part of this were always different databases (including MSSQL, SQLite, Oracle) and front ends (including TypeScript/JavaScript, ASP.NET, WinForms, KnockoutJS).

I don't shy away from any challenge and am looking forward to interesting projects, new technologies and doing great work together.

Work experience

01.2020 - 12.2022 **Software development (part time)**

Developing a web based software to automate creation and analysis of written exams
(Python, Django, ReactJS, SQLite, Docker)

12.2015 - 12.2022 **Software Developer - L-mobile solutions GmbH & Co. KG, Sulzbach an der Murr**

Working in an agile team in product development. This included bug fixing, feature development and conception, software architecture and interface design to ensure working interaction of the various components. The quality of the implementations was ensured by unit and integration tests (MSTest, NUnit, Selenium). Additionally, maintaining the build pipeline (TeamCity) and creating documentation and training materials.

2020-2022

Developing an interface between ERP and a Field Service Management Software / CRM via OData API to replicate (import / export) data
ERPs including proALPHA, InforCOM, SAP Business One
(C#, SQLite, MSSQL, Oracle, HANA)

2018-2022

Developing a OData REST API for a Field Service Management Software / CRM
(C#, ASP.NET, WebAPI)

2016-2022

Maintenance and feature development of a Field Service Management Software / CRM
(C#, ASP.NET, JavaScript, MSSQL)

2016-2022

Maintenance and feature development of a planning tool for planning technician appointments
(C#, VB.NET, WinForms, MSSQL)

2015-2016

Conception, development of customizations and support / maintenance of customer projects
(C#, JavaScript, MSSQL)

10.2011 - 11.2015

**Software Developer - iSILOG GmbH, later EDAG
Production Solutions GmbH & Co. KG, Baden-Baden**

2013-2015

Developing a web based solution for planning, simulating and analyzing value streams
(Java, JavaScript, Vaadin, PostgreSQL)

2012-2015

Developing an application for static capacity planning based on SAP production data
(C#, MSSQL)

2011-2015

Developing a plugin for Systems Navigator® Scenario Navigator for planning support by means of value stream analysis and simulation
(C#, MSSQL)

2011-2015

Developing an interface between CAD system Siemens NX and Siemens SIMIT for the virtual commissioning within NX
(C#)

2012-2014

Developing a web based project reporting solution based on data from Projektron BCS project management software
(Java, C#, Vaadin, MSSQL)

- Customer and project support
- Simulation projects with Plant Simulation
- Administration IT infrastructure

10.2008 - 10.2011 **Dual studies**

- Simulation projects, new and further development of module libraries for Siemens Plant Simulation (material flow simulation)
- Development of libraries, plugins, support of customer projects for Xcelgo Experior (virtual commissioning)

Education

10.2008 - 10.2011 **DHBW Karlsruhe**

Study course

Applied computer science, specialization: software development

Bachelor thesis

“Durchgängige Simulation und virtuelle Inbetriebnahme komplexer Materialflusssysteme”

(“Consistent simulation and virtual commissioning of complex material flow systems”)

(Mark: 1.3)

Degree

Bachelor of Science (B.Sc.)

(Mark: 1.8)

04.2008 - 10.2008 **Internship in company iSILOG GmbH, Bühl**

Development of an offline interface between Plant Simulation and Cinema4D for automatic animation creation based on simulation data

10.2003 - 04.2008 **Technische Universität Ilmenau**

Computer Science, minor: Automation technology