
Software Development Manager

25+ years in software engineering and 10 years leading Agile software development groups

Software Development Manager with over 25-year experience in scientific application development for the Oil and Gas industry. Leverages proven experience in software engineering and Agile leadership to assist organizations with developing innovative solutions and deliver value to their businesses

Highlights of Expertise

- Software Engineering
- Software Project Management
- Software Development Lifecycle
- Object Oriented Programming
- Continuous Improvement
- Agile / Scrum
- Bilingual – Fluent in English and French
- Contracting / Outsourcing / Offshoring
- Technical Recruitment
- Agile Leadership

Experience

Royal Dutch Shell, Houston, Texas and Rijswijk, Netherlands

Lead or coordinate Agile project teams to deliver scientific software

DIGITAL PRODUCT MANAGER (July 2018 to Present)

Manages a funnel of digital opportunities which add value to Shell exploration and development businesses by leveraging technologies such as machine learning

SOFTWARE DEVELOPMENT MANAGER (February 2014 to June 2018)

Managed software development efforts with a focus on outsourcing activities

- ◆ Led the transformation of a development effort from onshore staff augmentation to offshore managed service and reduce cost by 75%
- ◆ Prominent role in coordinating departmental Bangalore change journey. This necessitated crafting and implementing vendor offshoring strategy and resulted in moving 250 software development positions from Rijswijk or Houston, to Bangalore
- ◆ Bootstrapped Bangalore departmental recruitment activities which resulted in over 40 hires
- ◆ Key participant in sourcing board activities which defined, oversaw and implemented departmental vendor management strategies

SOFTWARE DEVELOPMENT MANAGER (March 2010 to February 2014)

Led software development group through an Agile transformation (see segonds.org/agile2012)

- ◆ Led a 40-person group of team leaders, developers, testers, and build engineers through an Agile transformation
- ◆ Prime mover in organizing and executing the first Subsurface Software and Wells developers conference at Shell

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Geomodeling Technology Corporation, Calgary, AB, Canada*Initiated Agile transformation and led software engineering practice***PRODUCT DEVELOPMENT MANAGER** (June 2008 to Feb 2010)

- ◆ Led 30-person group of developers, testers, technical writers, and build engineer to successfully release multiple versions of company commercial applications
- ◆ Initiated and led R&D department Agile transformation in Calgary and Beijing

Paradigm Geophysical, Houston, Texas, USA*Led software application maintenance team***DEVELOPMENT TEAM LEAD** (July 2005 to June 2008)

Managed Houston GOCAD maintenance team of up to eight developers. GOCAD is a 3D geological modeling application. At that time, core module was over one million lines of Object-Oriented C++ code with over 4,000 classes and a Qt-based user interface. Our product line consisted of over thirty modules

Earth Decision Sciences (Formerly T-Surf), Houston, TX, USA*Developed software applications and led a small team of system administrators***IT MANAGER** (November 2003 to July 2005)

Led a four-person system administration team to manage 200 workstations, 20 servers, and eight sites worldwide. Responsible for the design, implementation, growth and maintenance of company IT infrastructure

SENIOR SOFTWARE ENGINEER (January 1999 to October 2003)

Implemented different algorithms and subsystems in company flagship scientific application. Also, contributed to various startup activities such as system administration or customer training

Institut Français du Pétrole, Rueil Malmaison, France**PHD CANDIDATE** (January 1996 to December 1998)

Developed methods and algorithms for 3D Geomodeling software GOCAD

Elf Geosciences Research Center, London, United Kingdom**RESEARCHER** (September 1994 to December 1995)

Researched 3D geological modeling methodologies and implemented various algorithms in C++ such as triangulated meshes decimation. Modeled geological structure of North Sea oil fields

Education

PhD in Geosciences*Institut National Polytechnique de Lorraine, Nancy, France*Master's degree in Geology, with minor in Computer Science*École Nationale Supérieure de Géologie, Nancy, France*