

MICHAEL SPITZFADEN, B.S.

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SOFTWARE ENGINEER

EXPERTISE: Integrating Software, Hardware, Basic Networking, Testing Systems and Programming

10 years' experience in O&G, serving as lead, operations, tech support and staff trainer on new software packages. Assist development in designing, testing and updating new software. Earned 4 promotions in 10 years. I am currently in a 16 week web-development program. **REPUTATION:** Expert software tester

FUGRO U.S. MARINE, INC. EXPERIENCE

Senior OARS® Surveyor (promotion) | 2015 to 2017

Lead in OARS® command center during all operations. **Worked** with up to 15 vessels and 3 employees. **Ensured** all processes/procedures were followed by operators. **Remotely fixed** and **performed** troubleshoot of all equipment. **Provided** technical support and **training** to new command center personal.

OARS® System Implementation Specialist (promotion) | 2013 to 2015

Assisted in development of all OARS® software since inception as business line. **Tested** software, and some hardware installations before most field tests. **Participated** in morning developer, scrum meetings and weekly OARS® meetings with senior staff, to lay out vision of product as profitable business line. **Reported** all bugs in JIRA software for developers & **assisted** with product design. **Gave** product presentations for clients & exec staff presentations. **Trained** clients on OARS® and field staff on new software. **Performed** 24 hour on-call technical support & troubleshooting on new NG software & OARS®. **Implanted** first OARS® remote vessel. **Created** process & procedures for new OARS® business line. **Managed** hardware networking for all equipment. **Integrated** old/new software and radios to view remote vessels in field. **Conducted** field installations on new vessels.

Senior Party Chief (promotion) | 2011 to 2013

Supervised crews of 6-10 people. **Worked** on most advanced job types: *anchor rigs, jack up rigs and pipe lay jobs*. **Utilized** underwater acoustics: USBL Systems: Track Link, Ranger, APOS; GPS positioning (Tremble BX 982, 212, MS 860); Sonar operations and gradiometer.

Party Chief (promotion) | 2007 to 2011

Supervised crew up to 3; **gathered** survey data for clients and **assisted** with positioning needs (*moving vessels on location, mooring anchors, performing bottom surveys, laying pipelines, setting & removing structures, finding & locating objects and documenting their coordinates*). **Processed** data in field for clients so they could make intelligent decisions to run their jobs.

Survey Tech (initial hire) | 2007

PROJECTS:

Web-Development links on my portfolio and LinkedIn (2017)

OARS® Startup (2013-2017)

Alaska Shell-OARS® Set Up-Portland (2015) Alaska Shell (2012)

Bay Marchand Pipe Removal (2009-2012)

BP Project Deep Water Horizon (2010)

TECHNOLOGY

SNAPSHOT:

DATABASES:

Write/design databases
Postgres, SQL.

HARDWARE: Repair

Cloud: AWS deployments in
Dokku, Heroku

PROGRAMMING:

C++, HTML5, CSS, SQL, C,
Python, JavaScript, JQuery,
Node JS,

Git, github, version control

FRAMEWORK: Express,
Tornado, React

TESTING:

TestRail, JIRA software.

O&G CERTIFICATIONS:

BOSIET

OGUK Offshore Medical

TWIC

EDUCATION:

DigitalCrafts:

Web-Development 2017

**Bachelor of Science,
Computer Science –
Scientific Computing**

University of Louisiana-
Lafayette | Lafayette, LA