

# 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. **Implemented** hardware networking for 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