Lejun Chen

Software Developer

in lejun-chen-8387241aa

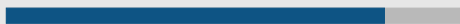👤 lejun-portfolio

About Me

Passionate Software Developer with expertise in all stages of software development. Demonstrates the ability to effectively self-manage during independent projects and collaborate efficiently within team settings. Proven track record of quickly learning new technologies and consistently achieving client success and satisfaction.

Skills

C#

.Net

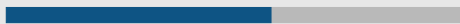Ocean Petrel Framework

Python

JavaScript

Git

Golang

React

CSS

Powershell Scripting

CICD

Docker

R

C++

Experience

Present — **SLB contractor** Carnain AS, Norway/Stavanger
Keywords: C#, .Net, Ocean Petrel Framework, Windows form, WPF, Powershell scripting, CI/CD, Domain knowledge
Projects:
- LA3D Prejob Petrel Plug-in
- LA3D Automated Interpretation Petrel Plug-in
- LA3D Reservoir Detection Petrel Plug-in

Contributions: Implemented all three plug-ins from scratch.
Achievements:
- Implemented new products/features from concept to deployment.
- Proposed and evaluated implementation scheme.
- Transitioned legacy codes to solution.
- Integrated Python scripts into the C# codebase.
- Implemented Windows Forms.
- Resolved dependency conflicts.
- Refactored codes and fixed bugs.
- Optimized application performance, and code profiling.
- Created powershell scripts for deployment.

Projects:
- LA3D Predictive Geosteering Petrel Plug-in

Contributions: Implemented some new features and resolved some pain points of the project.
Achievements:
- Implemented new features.
- Removed outdated dependencies.
- Upgraded some dependencies and resolved conflicts.
- Reformed a C++ library and integrated it into the C# codebase.
- Developed WPF(MVVM) UI and connected to the backend.
- Refactored codes and fixed bugs.

Projects:
- Petrel Plug-in Maintenance

Contributions: Maintained 9 plug-ins.
Achievements:
- Created Continuous Integration/Continuous Deployment (CI/CD) pipelines.
- Upgraded plug-ins to align with new Petrel versions and resolved conflicts and obsolete codes.
- Managed software commercialization procedures, including obfuscation, signing, and configuring SonarQube & MEND, etc.
- Developed powershell scripts.

Aug/2022
- Fixed bugs.

July/2022 — **Software Developer(Internship)** Cegal AS, Norway/Stavanger
The main developer of a python web APP which retrieves and processes data from Petrel project & OSDU platform, and visualizes the output.
- Used Cegal Prizm API (Python Tool Pro, Investigator, etc) to develop the APP.
- Contributed to the deployment of this web app, including
Jun/2022 the docker setting up, depencies exporting, etc.

Jan/2019 — **Project Coordinator** Manguo Network Technology Co., Ltd, China
July/2016 Project : Online reading website and app.

June/2016 — **Project Manager Assistant, Document Engineer, Technical Writer**
Wanin Educational Multimedia Technology Co., Ltd , China
Projects: Document Camera, Webcasting System, HD Lens, VGA Capture Card, LCD Advertising Displayer, Electronic White- board
Jun/2006 Camera, etc

Languages

Mandarin

English

Norwegian

Other Projects

2022   Master thesis project
- Web App: Link.
- Language & Libs: Python, Steamlit
- Implemented & deployed a web app. Developed three algorithms. Designed a 5-steps workflow. Proposed a learning & predicting methodology for Pattern recognition.

2021   Responsive Portfolio Website
- Web App: Link.
- Language & Libs: React JavaScript, CSS
- Implemented & deployed a web app. Implemented PDF viewer, html form to email, blog filters, weather APP, animations, etc.

2021-2022   Distributed system for Bank transaction: Go, React Javascript, CSS
Semantic Answer Type Prediction using Machine learning: Python, NLP, Elastic-search, NLTK, sklearn.
Smart contracts: Go, Solidity.
Block chain prototype and client application: Go.

Education

Year	Degree	Institution
2000-2022	M.Sc. Computer Science Master thesis: A	UIS/Norway
2003-2006	M.Sc. Information Engineering Grade: B	Zhejiang Univesity/China
2007-2010	B.Sc. Information Engineering GPA: 3.42 out of 4	Zhejiang Univesity/China

Awards

2024   Outstanding Performance Recognition.(HQCC, SLB)

Publication

- Cui Boyu, Lejun Chen, Nan Zhang, Anton Shchipanov, Vasily Demyanov, and Chunming Rong. 2023. "Review of Different Methods for Identification of Transients in Pressure Measurements by Permanent Downhole Gauges Installed in Wells" Energies 16, no. 4: 1689. [Link]

- Chen, Lejun. Transient identification and interpretation of real-time pressure data from modern well surveillance systems. MS thesis. uis, 2022. [Link]

- Lejun Chen and Feihong Yu, "New Research Progress of Photoacoustic Gas Detector" in Optical Instruments, the 5th issue of 2006.

References

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