Dr Alan Vigner

London, UK · French/British Citizenship

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PROFILE

Principal Geophysicist with 20+ years of experience in seismic processing, imaging, and velocity model building, across both marine and land domains. Proven track record delivering high-quality seismic data solutions for leading service providers and consultancies. Strong expertise in pre-sales, R&D, training, and Python development. Adept at leading projects, mentoring teams, and aligning geophysical workflows with client needs across Europe, the Middle East, India and Africa.

CORE SKILLS

- Seismic Imaging & Processing: Echos, GeoDepth, EarthStudy360, Omega, Seismic Unix
- Velocity Model Building: Isotropic, VTI, TTI, tomography
- Programming & Automation: Python, MATLAB, Shell, C
- Visualization & Interpretation: GeoTeric, ArcMap, Nucleus+, Norsar
- Client Engagement: Technical consulting, solution design, pre-sales, training
- Domains: Marine & onshore surveys, time/depth migration, QI workflows

PROFESSIONAL EXPERIENCE

PRINCIPAL SOLUTION CONSULTANT

AspenTech, Woking, UK | Apr 2018 – Present

- Delivered comprehensive training programs in seismic processing and depth imaging techniques for marine and land datasets.
- Led consultancy assignments at client sites, ensuring delivery of high-standard results in seismic processing and imaging.
- Managed proof of concept projects using Echos, GeoDepth, and EarthStudy360 for time and depth imaging.
- Developed internal and client-facing Python tools for attenuation, wavelet analysis, and first-break picking.
- Promoted technology via webinars and conferences including EAGE and SPE.
- Consistently exceeded pre-sales targets, helping expand processing/imaging presence across Europe.

FOUNDER & DIRECTOR

GaiaSeis, London, UK | Jun 2015 – Mar 2018

- Implemented advanced processing and interpretation methods: noise/multiple attenuation, spectral enhancement, and geobodies detection.
- Designed and maintained company website to showcase offerings.
- Led business development across Middle-East, Africa, and India.
- Won projects by demonstrating successful results to potential clients.

BUSINESS DEVELOPMENT MANAGER

GeoTeric, London, UK | Jan 2014 – Jun 2015

- Generated leads and negotiated proposals in EMEA region.
- Mentoring sales and pre-sales teams.
- Expanded market share in North Africa, Middle East, and India.

SALES MANAGER

CGG, Crawley, UK | Apr 2012 – Dec 2013

- Designed Multi-Client 2D/3D surveys across Africa.
- Liaised with government authorities in francophone Africa.
- Devised and executed marketing strategy for regional growth.

SALES SUPERVISOR

PGS, Weybridge, UK | Jan 2011 – Mar 2012

- Led marketing strategy and client relations for Multi-Client business.
- Developed promotional material and represented company at key events.

SENIOR GEOPHYSICIST

PGS, Weybridge, UK | Jul 2006 – Dec 2010

- Developed seismic noise/multiple attenuation modules in MATLAB.
- Trained users on Nucleus+ and Norsar; supervised MSc student project.
- Presented research at EAGE and delivered results to clients.

EDUCATION

POSTDOCTORAL RESEARCHER

WesternGeco, Gatwick, UK | Feb 2003 – Feb 2005

- Researched vector fidelity of multi-component acquisition systems and their impact on processing.
- Implemented frequency-dependent comparisons across ocean bottom technologies.
- Managed seismic data library and participated in international industry meetings.

PHD IN GEOPHYSICS, WITH HONORS

IPGP, Paris, France | Sep 1998 – Nov 2002

- Studied vertical and wide-angle seismic reflection datasets in the Aegean crust.
- Processed and interpreted data from surveys in the Cycladic and North Aegean Trough.
- Participated in land and marine seismic campaigns (Caribbean, Marmara Sea, Tibet, Greece).

MASTER OF GEOPHYSICS (DEA), WITH HONORS

IPGP, Paris, France | Sep 1997 – Jun 1998

BACHELOR OF PHYSICS, WITH HONORS

University of Caen, France | Sep 1995 – Jun 1996

BACCALAURÉAT C, WITH HONORS

Deauville, France | Sep 1992 – Jun 1993

OTHER SKILLS

- Web & App Development: HTML, CSS, PHP, Bootstrap, jQuery
- Sales & CRM: Salesforce, Petroview, Saleslogix