



SEISMIC MADE CLEARER™

## Resume of David Fursman

### PERSONAL DETAILS

Name: David (Dave) Fursman  
Nationality: Australian and British  
Location: Mundaring WA 6073

### CAREER SUMMARY

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Geophysicist with 35+ years of international experience in oil & gas, environmental, groundwater, engineering and mining industries.

#### AREAS OF EXPERTISE:

- Seismic data processing (land, marine, 3D, 2D, time and depth)
- PSDM seismic processing
- Seismic QC, senior supervisor, project management
- Processing centre manager, general management, training, & mentoring
- Knowledge management & data management
- Business development / sales and marketing

#### KEY ACHIEVEMENTS:

TGS: Responsible for the project management and QC of the processing (depth and time) of Mary Rose 3D, Mary Rose North East Extension 3D, Gnaraloo / Cazadores 3D, Huzzas 3D and Huzzas Phase 2 3D offshore projects.

PGS: Project management and DP software and parameter analysis training. Training and mentoring for 18 Rio de Janeiro DP staff.

PGS: Centre manager for PGS Kazakhstan in Almaty.

### EDUCATION

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Master's degree in applied geophysics, University of Birmingham.  
Completed 1983

Bachelor of science (Honours) geology, University College of Swansea.  
Completed 1979



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## EMPLOYMENT HISTORY

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### PROCESSING QC & DATA MANAGEMENT ADVISOR

TGS (Perth) – Hay Street, West Perth 6005, WA

Mar 2011 to Apr 2015

#### Responsibilities:

- Project management for data processing (time and depth) of multi-client 2D & 3D surveys.
- Address client requests regarding processing, acquisition, data management for all TGS projects.
- Determine the optimum processing sequence for each project, and work with customers to decide on processing parameters based on tests provided by DP team.
- Ensure all deliverables to TGS standard as well as suitable for client needs.
- Advise on management of data for multi-client projects (current and historical).
- Advise on acquisition parameters for new surveys and QC products to be generated.
- Monitor acquisition progress and QC products, and identify any issues to be addressed

#### Achievements:

- Initiated QC and department for the region. Including development of procedures and work instructions for the project management and QC process to conform to TGS standards (worldwide).
- Responsible for the project management and QC of the processing (depth and time) of Mary Rose 3D, Mary Rose North East Extension 3D, Gnoraloo / Cazadores 3D, Huzzas 3D and Huzzas Phase 2 3D offshore projects.
- Developed QC procedure for TGS' broadband (ClariFi) processing solution.
- Assisted and advised on the development of a "dashboard" approach to project management for all projects in the region. Approach to be released to TGS worldwide.
- Participated as well as provided advice and support for the development of TGS' data management system, procedures and work instructions.

### TRAINING MANAGER (NSA)

PGS (NSA) – Houston, Texas, USA

Nov 2009 to Dec 2010

#### Responsibilities:

- Assist NSA DP managers to identify and quantify appropriate learning and development solutions in support of their business needs.
- Design and implement training programs to meet the regional DP business.



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- Devise and maintain innovative learning and development delivery methods including complete web-based system accessible and appropriate for remote centres.
- Facilitate full and concurrent NSA DP learning and development records in conjunction with HR and QA requirements.
- Deliver selected training modules to internal and external personnel as defined by business needs.
- Liaise and assist with training to third parties where this is provided as a service to clients.
- Define training budget in conjunction with DP management and manage expenditure within budget.

#### Achievements:

- Project management and DP parameter analysis and testing - training and mentoring for 18 Rio de Janeiro DP staff.
- Generated a long term training plan for the NSA region.
- Enterprise project management: presented to and mentored all DP staff in Houston and Rio de Janeiro so that they are now aware of their responsibilities and input in compliance with the implementation of this new online project management system.

#### CENTRE MANAGER

PGS (Kazakhstan) – Almaty, Kazakhstan

Dec 2005 to Aug 2009

#### Responsibilities:

- Responsible for overall P&L of seismic data processing in Kazakhstan (Almaty and Atyrau offices)
- Maintain relationship with customers, in particular key strategic customers.
- Project management: manage all aspects of projects from tendering through to delivery of final data in accordance with PGS procedures.
- Assist with the development of a joint DP and interpretation/reservoir (IR) strategy for Kazakhstan.
- Business development, financial management
- Development of HSE awareness and philosophy.
- Personnel planning and recruitment.

#### Achievements:

- Introduced successful sales and marketing strategy to achieved > 50% increase in annual revenue over period of contract.
- Award of projects from major international companies including Chevron, Repsol and Agip as well as KazMunaiGaz (national/government oil company)



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- Developed and introduced a project management system for all projects.
- Developed a culture of project management awareness within the centres.
- Moved processing to comply and exceed industry standards so that the Almaty centre was recognized within PGS as “centre of excellence” for all land and OBC processing as well as 2D marine processing.
- Increased staff from 10 geophysicists to 24.
- Increased the number of staff capable to act as project leaders from 4 to 12.
- Developed a culture of HSE awareness within the centre.

## GEOPHYSICIST

PGS (Perth) – Hay Street, West Perth, 6005, Western Australia

Jul 2005 to Dec 2005

### Responsibilities:

- Data processing: parameter testing for a large 3D project for Woodside.
- Data processing: project management, production and testing for an Indonesian MC2D project.

### Achievements:

- Became effective user of PGS processing software in approximately 2 weeks.
- Worked closely with Woodside ensuring their product was delivered on time allowing Woodside to make timely decisions and keep project on schedule.

## CONSULTANT

Self Employed

Nov 2003 to July 2005

### Responsibilities:

- QC of data processing projects
- Velocity QC
- Velocity picking and data processing (at PGS Perth)

## SENIOR SUPERVISOR (DATA PROCESSING)

WesternGeco and Western Geophysical (Perth)

Jan 1994 to Nov 2003

### Responsibilities:

- Project management of the data processing of large 2D and 3D seismic surveys.
- Project administration.
- Communication with clients and management to ensure product meets or exceeds expectations.
- Supervision of all staff working on project.



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- Ensure deadlines met.
- QHSE standards set by company and client met or exceeded.
- Installation of WesternGeco's Expedito data management system.

#### Achievements:

- Successful completion of six major 3D surveys acquired in Australia and Vietnam. Positive feedback from clients and management in each case.
- Successful completion of ten 2D surveys. These included multi-vintage reprocessing of data acquired from the 1960's onwards.
- Successfully implemented one of earliest uses of Wave Equation datuming for delineation of sub-reef data.
- Expedito system operational

#### GROUP LEADER (DATA PROCESSING)

Western Geophysical (Perth)

Jan 1992 to Jan 1994

#### Responsibilities:

- Project management of data processing of 2D surveys.
- Report to senior group leader for 3D surveys.

#### Achievements:

- Successful completion of six 2D surveys (including multi vintage reprocessing).
- Worked on three 3D surveys (including Gorgon – then the largest 3D survey acquired in southern hemisphere).

#### GEOPHYSICIST

Scintrex (Perth)

Feb 1991 to Nov 1991

#### Responsibilities:

- Geophysical surveys for the mining industry. Geophysical instrument sales.

#### Achievements:

- Established capability to apply geophysical techniques for applications in environmental, engineering and groundwater projects.
- Marketed seismic instrumentation.

#### PROJECT MANAGER

Top Hole Site Studies (Twickenham, UK)

Nov 1989 to Nov 1990



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#### Responsibilities:

- Project management for oil industry and geotechnical projects.

#### Achievements

- Managed data acquisition and data processing for well site surveys. Carried out attribute analysis and made recommendations to the client regarding potential shallow gas and likely foundation/anchoring conditions.
- Coordinated a project to identify a UK based waste disposal site for nuclear waste.

#### GEOPHYSICIST/PROJECT MANAGER

Applied Geology (North Wales, UK)

Dec 1987 to Sep 1989

#### GEOPHYSICIST/PROJECT MANAGER

ALTA Geophysics (University of Birmingham)

Nov 1983 to Dec 1987

#### Responsibilities:

- Geophysical surveys for environmental, groundwater and engineering projects.

#### Achievements

- Transformed Alta Geophysics from a loss-making situation to profit within a year of joining company.
- Eight months carrying out groundwater and corrosivity studies in South Yemen. Involved working in very remote areas. For 3 months acted as representative of client and carried out geophysical survey and supervised drilling in very dangerous border area between North and South Yemen.
- Developed and tested down-hole seismic technique to locate directional drill head.
- Carried out shallow water surveys on the Thames in central London and in Guernsey harbour.
- Utilised geophysical techniques to monitor groundwater pollution and to identify and delineate land fill sites.

#### SEISMOLOGIST

Petty-Ray Geophysical (Hayes, UK)

Oct 1979 to Sep 1982

#### Achievements:

- Promoted to group leader after one year (normal 3-5 years).
- Six months working in data processing centre in Karachi, Pakistan.



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## REFERENCES

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Name: Paul Young  
Position: Director  
Company: TGS

Name: Mohammad Norozi  
Position: Processing QC Advisor  
Company: TGS