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GEORGE SPEIRS PE, PENG

Founder and President

PROFESSIONAL SUMMARY

Founder and President with over 36 years of experience in engineering and technology, specializing in automotive design, software development, smart factory systems, and process optimization. Demonstrates exceptional leadership in guiding diverse teams and fostering partnerships to deliver innovative solutions across industries. Over 15 years experience managing and guiding a remote workforce. Passionate about mentoring and empowering the next generation of entrepreneurs to achieve success in the dynamic start-up ecosystem.

EMPLOYMENT HISTORY

FOUNDER AND PRESIDENT **2012 - Present**

Konnected Technology Ltd ***Penticton, B.C., Canada***

- Spearheaded smart factory system initiatives, achieving significant automation improvements that enhanced operational efficiency.
- Lead large remote engineering teams utilizing agile principals to develop complex systems on time and on budget.
- Developed a resource system to enable Konnected to provide 24hr remote support with less than 5 minute response times on emergency calls.
- Design, Develop and Implement Smart marina solutions, improving facility infrastructure and monitoring.
- Fostered partnerships with external companies for software development projects, delivering tailored solutions that met diverse client needs. Primary focus on volume manufacturing, conveyance and warehousing.
- Mentored emerging entrepreneurs in the start-up ecosystem, providing guidance that empowered them to navigate challenges and achieve business goals.
- Coordinated with cross-functional teams to ensure successful commercialization of new products and software systems.

PRESIDENT AND OWNER **2012 - 2015**

Action Security ***Penticton, B.C., Canada***

- Led security firm with focus on Honeywell and DSC systems, achieving significant market presence.
- Implemented analog and IP camera solutions, enhancing client security infrastructure.
- Negotiated successful sale to Graydon Group, ensuring seamless transition and continued growth.
- Developed strategic partnerships, driving business expansion and customer satisfaction.
- Managed operations, optimizing processes for improved efficiency and service delivery.

PRESIDENT AND OWNER **2001 - 2015**

Katana Industries Ltd., Malibu Boats ***Penticton, B.C., Canada***

- Led design and production of custom fiberglass boats, enhancing product lineup and market reach.
- Developed proprietary fiberglass process, boosting manufacturing efficiency and product quality.
- Acquired Malibu/Liquidride, expanding company portfolio and increasing competitive edge.
- Oversaw company sale to Malibu USA, ensuring smooth transition and strategic alignment.

ENGINEERING MANAGER **2001**

Dynasty Motorcar Corporation ***Kelowna, B.C., Canada***

- Led design and development of four electric vehicle models, enhancing product diversity.
- Managed production implementation, ensuring readiness for planned 2002 launch.
- Collaborated with cross-functional teams to optimize vehicle design and functionality.

- Analyzed market trends to align vehicle features with consumer demands.
- Facilitated problem-solving efforts to address funding challenges impacting operations.

SENIOR BODY DESIGN ENGINEER **1999 - 2001**

DaimlerChrysler Corporation, Large Car Body ***Auburn Hills, Michigan***

- Led design team for 2001 convertible body and top mechanism.
- Ensured timely launch with superior wind noise and water leak performance.
- Managed design, production, and supplier coordination for door hardware and glass.
- Developed assembly processes and tooling for efficient manufacturing.
- Achieved significant improvements in product quality and customer satisfaction.

SENIOR RESIDENT ENGINEER **1998 - 1999**

Chrysler Corporation, Bramalea Assembly Plant ***Ontario***

- Led 14 engineers in stamping, body, and lighting projects, achieving Chrysler's top plant award.
- Defined criteria and goals, enhancing design and solving issues for measurable production success.
- Contributed to 2002 and 2004 redesigns, balancing aesthetics with manufacturability.
- Facilitated problem-solving through root cause analysis, ensuring quality and efficiency.
- Collaborated on design changes, significantly improving fit and finish quality.

RESIDENT ENGINEER **1997 - 1998**

Chrysler Corporation, Bramalea Assembly Plant ***Ontario***

- Led a team to resolve build issues for 1998 Large Car Platform launch.
- Ensured launch date met with full production stampings, minimal variation.
- Conducted root cause analysis for quarter panel, body side, vehicle framing.
- Collaborated with engineers and suppliers for dimensional control solutions.
- Achieved operational goals, enhancing production efficiency and quality.

DESIGN AND DEVELOPMENT ENGINEER **1995 - 1997**

Chrysler Corporation, Large Car Powertrain ***Auburn Hills, Michigan***

- Designed and developed engine components for 4-cylinder and V6 engines.
- Launched 1997 2.4L intake manifold under budget, enhancing efficiency.
- Led procurement and program management, ensuring timely delivery.
- Filed patent for innovative 'Plastic Intake Manifold Blow-off Plug'.
- Optimized design process, reducing production time significantly.

DESIGN AND DEVELOPMENT ENGINEER **1993 - 1995**

Chrysler Corporation, Chrysler Institute of Engineering ***Auburn Hills, Michigan***

- Designed suspension systems enhancing vehicle stability and handling.
- Developed engine components improving performance and fuel efficiency.
- Engineered body sheet metal reducing production costs and weight.
- Optimized plant processes increasing production throughput.
- Tested vehicles ensuring compliance with safety and quality standards.

DESIGN AND DEVELOPMENT ENGINEER **1992**

Chrysler Corporation, Jeep Suspension Engineering ***Detroit, Michigan***

- Developed model complexity charts for Jeep, enhancing design precision.

- Selected springs for 1993 Grand Cherokee, optimizing vehicle performance.
- Implemented alignment audit at Pilette Plant, improving Dodge Van alignment by 50%.

RESEARCH AND DESIGN ENGINEER **1991**
Panther-6 Motor Car Company ***Richmond, B.C.***

- Investigated exotic metals for vehicle frames, enhancing design efficiency.
- Developed 3D frame models in AutoCAD, improving structural integrity.
- Collaborated on material research, contributing to innovative engineering solutions.

MARINE MECHANIC **1989 - 1990**
Penticton Marina ***Penticton, B.C.***

- Collaborated with certified mechanic on marine engines, enhancing technical proficiency.
- Serviced outboards, I/Os, and direct drives, improving equipment reliability.
- Diagnosed engine issues, ensuring timely and effective repairs.
- Assisted in maintaining workshop efficiency, contributing to operational success.

EDUCATION

MS IN MECHANICAL ENGINEERING **1995**
University of Michigan

Honours

BASC IN MECHANICAL ENGINEERING **1993**
University of British Columbia

Honours

CHRYSLER INSTITUE OF ENGINEERING **1995**
Chrysler Corporation

AUTOMOTIVE MECHANIC CERTIFICATE **1993**
Motech Vocational School

COURSES

PUBLIC SPEAKING
Dale Carnegie

ADVANCED GEOMETRIC DIMENSIONING AND TOLERANCING
Professional Development

PRO ENGINEER SOLID MODELLING
Professional Development

SKILLS

Engineering Management, Product Development, Manufacturing, Automotive Design, Project Management, Software Development, Hardware Development, Problem Solving, Leadership, Design Engineering, CAD, Process Engineering, Root Cause Analysis, Public Speaking.

ADDITIONAL INFORMATION

AWARDS AND RECOGNITION

- Business Excellence Award Winner for Technology - 2024
- New Business of the Year Award for Kanata Industries - 2002
- Graduate Excellence Award, University of Michigan 1995
- PEng Prize for best Technical Report 1992

PROFESSIONAL CERTIFICATIONS

- Registered Professional Engineer in Canada
- Registered Professional Engineer in the United States

PUBLICATIONS AND PATENTS

- Patent Application 'Plastic Intake Manifold Blow-off Plug'
- Technical report 'Alternative Materials for Panther-6 Frames', B.C. Professional Engineers magazine 1993