

Russ Schweizer

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Qualifications Summary

Russ Schweizer is a mechanical engineer by education, training, and experience complemented by further business education, training and experience creating a focused capability based on integrating marketing, design, engineering, and manufacturing for the creation and commercialization, or to enlist the term, “Productizer” of successful new products. Mr. Schweizer is the project leader responsible for delivering successful new products(s) for various enterprises that have collectively generated over \$1B in revenue for clients during his career.

Professional Skills

Expert level skills: Expert skill levels comprise: Front end Creative Ideation; Product Design & Development Execution and Leadership; In-depth Knowledge of Materials and Processes; Project Management; Polymer Science; Market and Product Research; Prototyping Methods, ISO 9001, Biomedical Engineering, Quality Standards, Contract Manufacturing, and the Creation and Execution of Strategic and Tactical Startup Business Plans from funding through commercialization. Also possessing the ability to lead cross-functional new product development teams, and effect and teach innovative methods for building A-Teams and commensurate results.

Specific project skills - Project Mgmt. - DFM, DFMA, and DFC; **Regulatory Compliance Mgmt.** - ETL, UL & FCC cert, ASTM 963 Toy; **FDA Regulatory** – IEC 60601, ISO 13485 Medical Device Design – 21CFR 820.30; FDA Device Master Record and 510K; cGTP 21CFR Part 1271; cGMP, 21CFR 511.1 FDA animal; SOLIDWORKS CAD proficient – A CAD pioneer with one of the first 14 Beta sites in Chicago, plus Word, Excel, PowerPoint, Adobe Illustrator, and Visla, Perplexity and Notta AI communication skills.

Customer-Centric skills - P & L Based Project Management, and Creator of a proprietary phase-gate Marketing-based Design & Manufacturing Methodology under the premise: New Product Development must begin on a strong Marketing foundation.

Education

Advanced Mechanical Engineering coursework - Northern Illinois University, DeKalb, Illinois; McHenry County College, Crystal Lake, Illinois; Certificate of Business Administration (CBA) University of Illinois, Chicago.

Military Service

Honorably discharged U.S. Army, rank Sergeant E-5; Combat Infantry Squad Leader; Bronze Star (2) with Oak Leaf Cluster; Combat Infantryman's Badge (CIB); 82nd Airborne and 196th Light Infantry Brigade of the 23rd Infantry (Americal) Division service awards.

Notable Professional Accomplishments

- Current Board Position - 2018 to present as a member of the **Northern Illinois University College of Business** Dean's Executive Advisory Board.
- Current Member – **School of Rooftop Leadership (Green Beret Methodoly)** www.Skool.com/RooftopLeadership
- Board Chairperson Position - AmnioChor Corp. Wilmington, DE – Biotech startup based in perinatal tissue and stem cell technologies applied to Regenerative Medicine therapies with several published articles.
- Patents: Presently granted (42) Global patents and (5) US applications currently in progress.
- Founding member of the Institute for Advanced Studies in Life Support, 1990 - Huntsville Alabama - national collaboration and development of standards for habitation in space travel.
- Lecture: Has on several occasions lectured at the Medical Device and Manufacturing Industry Semi-annual National Conference on the topic of utilizing the Integration of Industrial Design and Engineering in the design of medical products.

- Interviewed, quoted, featured, and authored published articles on such topics as 2-D design, 3-D surfacing, 3-D Printing, design case studies, Marketing-based Design methods, and Design for Manufacturability and Cost in such publications as: Machine Design, Plastics Technology, Product Design & Development, and Computer Graphics World.
- Published: <https://parentsguidecordblood.org/en/news/what-is-your-placenta-worth>
<http://parentsguidecordblood.org/en/news/amniotic-membrane-placenta-part-1>
<http://parentsguidecordblood.org/en/news/amniotic-membrane-placenta-part-2>
<https://parentsguidecordblood.org/en/news/amniotic-membrane-placenta-part-3>

Professional Experience

Current Business/Employment

EXIM8 Inc.- Crystal Lake, IL 2012 - Present – Contract Design, Development & Manufacturing Org., a consulting new product design, development and product manufacturing and commercialization business. EXIM8 specializes in productizing new technologies and innovation. Everything the Company designs is destined to be manufactured and commercialized by our customers. EXIM8 has intent focus on Made in USA today, however, may draw upon their existing China supply chain, as necessary. www.Exim8.com

Noteworthy Customer/Project – Medical device

- **McFarlane Medical** 2012-2015 VP of Engineering (contract) - Designed and developed the Raptor trauma incision device for rapid chest tube insertion; Made in USA.
- **Abbott Laboratories** 2018-2019 - M&P (Margin & Profit) Team – With the acquisition of Alere Toxicology, became a member of a consulting group created to review several Point of Care device groups and assigned to AMJ (Abbott Japan) for various consolidation and cost saving projects with focus on the lateral flow diagnostic HIV 1-2 product manufactured for Asia.
- **Ameda Corp.** 2020-2021– Based on China manufacturing experience, tasked to assist the execution of their Pearl breast pump production in China; with hydrogel experience, assisted development of their next generation ComfortGel product for the breastfeeding product line.

- **AmnioChor, Inc.** 2015- Present – A startup biotech in the perinatal stem cell area based on placental tissue biobanking, assisted them for several years to create novel devices to accomplish tissue and cell isolation, cryopreservation, and 2D/3D cell explant culture processing. www.AmnioChor.com
- **Olive Drab Green, LLC** 2021- Present – A startup company based on San Antonio, TX created to preserve Vietnam War legacies through storytelling and Honor our military heroes, Champion veteran causes, and Inspire American patriotism in our communities. www.GI.US.com

Noteworthy Customer/Project – Consumer and Industrial products

- **Wrigley Gum Co.** (Mars Candy) – Joined the Sterling Engineering Team (contract) to create the new Big E gum container; designed for Manufacturability and Automation; Granted (2) US Patents.2010.
- **Sqord, Inc** 2012-2014 – Development of the original Sqord Children’s wearable fitness tracker and lead the initial production launch for Sqord and Novation Industries. .
- **Chromalox Corp** 2014 – 2023 – Design & Development of sophisticated and precision heat trace cable connection systems; and specifically, a new patented tool-less field splice installation system.
- **BigTrak Technologies** 2016-2025 – Design, development, manufacturing liaison and supply chain development and management for several lines of electronic Bingo gaming console products. The first product was produced in China, followed by 2nd and 3rd generation products now substantially Made in USA. EXIM8 also provides full mechanical product support and design database maintenance, and supply chain liaison for their client.

Consulting skills

Has consulted numerous Fortune 500, and Fortune 100 US corporations to create innovation and intensive business growth by the creation of new products. Has consulted for such companies as: Abbott (US & Japan), Authentec, Baxter, BigTrak Tech, Ameda, Becton Dickinson, BIKE Athletics, Chromalox, Crane USA, Medela, ITW Fastex, Dremel, Skil Bosch, Wrigley (Mars), Scotsman, Schutt Sports, Suncast, Shamrock Intl, Sterling Eng., and WMS Gaming.

MARKET-based DESIGN



The IDEA

Perform Research & POP Dev.

The IP Review & Protection

- Define the Product(s)
The Need & The Customer
- Monetization Plan & trial P&L - Go/No Go
- Monetization Path (choose an option)
 - License
 - OEM - wholly owned (contract mfg)
 - ODM - wholly owned & manufactured
 - OEM - Partner/JV
 - ODM - Partner/JV
- Partner/JV Audits
- Market & Product Research
- SWOT Analysis ID the potholes
- Funding Plan
- Tax & Corp Entity Selection (startup)

- Know the Customer
- Translate Market & Product Research to design language
- Final Marketing Plan
- Concept Development
- Concept Refinement
- Concept Integration
- Engineering & Mfg Review
- Visual or Functional Models
- Market Test/VOC

- Initial Eng. Layouts
- Generate BOM's
- Configure Supply Chain
- Detail Design 2D/3D
- Manufacturing Review
- Supplier Sourcing
- Virtual Prototyping
- Refinements
- 3D Prototype
- Design Validation #1
- Short Run Development, A.R.
- Design Freeze
- Final Facsimile Proto Approval

- Mfg Operations Implementation
- Tooling Fabrication
- Capital Equipment Acquisition
- Supplier Audits
- Tooling Approvals
- Final Q.C. Specs
- Pilot/Short Run Trials
- Clinical & Regulatory as required
- Packaging
- Final Validations
- Launch Sales & Mkt Campaign
- Manufacture First Lot to Stock

- Launch ERP Systems
- Fill Distribution Channels
- Enable Product Support Systems
- Monitor
- Continuous Improvement
- Prepare for Growth
- Contemplate Next Gen Product(s)

Don't let your competition be your next gen product

Cross Functional Team Execution by integrating marketing, industrial design, engineering, and manufacturing

Set the Table....Correctly





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of MARKETING, DESIGN, ENGINEERING and
AMERICAN MADE

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