Bob Gruen
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Passionate, enthusiastic, Senior Full-Stack Software Engineer with a relentless drive to craft innovative, scalable solutions that propel business growth and often exceed expectations. Well-positioned to apply my experience to exciting new challenges and problems of all types.

Professional Experience

Web Application Development Manager   June 2022 – January 2024
Cold Jet, Loveland, OH

- Conceived, designed and built Cold Jet's commercial IoT platform, "CONNECT Analytics", on my own time. In addition to the insights this secure, revenue-generating platform gives customers and employees, it also saves over $1 million annually in licensing and other fees.

Web Application Architect   August 2015 – June 2022
Cold Jet

- Conceptualized, designed and developed responsive, web-based reports using data from CSV and JSON based data feeds sent from the CRM. Key reports include: 30 Day Sales Prediction, Campaign ROI Dashboard, Sales Dashboards, Lead Dashboard and more.
- Replaced paper forms by creating an Android app for Service Technicians to record preventative maintenance inspections. This provided significant insights for Customer Service, Engineering and IT.

Senior Web Application Developer   January 2008 – August 2015
Cold Jet

- Created mycoldjet.com, a secure web portal/intranet for employees and customers.
- Developed "Search by Distance", and integrated Google Maps with the CRM (SalesLogix).
- Redesigned sales proposals in 10 languages. Enhanced visual appeal and user experience, while demonstrating my ability to blend design with strategy, and ultimately, win more sales.

Specialist, Web Developer   September 2005 – January 2008
Convergys

- Architected the Convergys Global Training Infrastructure that is used by 100+ trainers, for 10,000+ annual training deliveries. It provided course scheduling, registration, online and in-person deliveries, evaluations, and reporting.
- Developed BI (custom reports) including: Executive Scorecards, Employee Utilization, etc.

Senior Associate, Web Developer   March 2003 – September 2005
Convergys

- Developed Convergys Alert, a PHP application that enabled senior executives to quantitatively track and analyze critical product issues to better understand how they are meeting Service Level Agreements (SLAs).
- Developed a very successful PHP application for enterprise resource management.
- Member of Convergys' PHP Security Standards Committee.

Consultant, Web Developer   *August 2002 – March 2003*
Computer Horizons

- Developed mini-sites using HTML, PHP and Oracle for Convergys clients such as Sprint, Verizon and OnStar.

Lead Web Developer / CIO   *March 2001 – May 2002*
PlusSize.com

- Helped grow monthly sales from ~$6K to over ~$24K.
- Grew the registered user base from 10,000 users to more than 100,000 users.
- Increased traffic from 500 unique visitors per day to over 7,000 unique visitors per day.

Software Developer   *November 1997 – December 2000*
Structural Dynamics Research Corporation (SDRC)

- Rewrote the C programs and UNIX Shell Scripts used to process SDRC's Smart View documentation. This rewrite reduced the processing time for the documentation from over 3 days to under 12 hours, a remarkable efficiency gain.

Production Tools Developer   *February 1997 November 1997*
Structural Dynamics Research Corporation

- Reduced the cost of localizing the Metaphase PDM UI product by over 35% by creating dictionaries where text was able to be re-used in future releases.

Technical Skills

HTML, PHP, JavaScript, CSS, jQuery, Highcharts, Responsive/Flex layouts, Python, AJAX, MySQL, Oracle, SQLite, Java / Android, Perl, JSON, XML, Apache, Windows Visual C++, UNIX/C, UNIX/C++, UNIX Shell Scripts, TensorFlow, TensorBoard, PyTorch, Stable Baselines3, stable diffusion, neural networks, genetic algorithms

Professional Achievement Awards

August 2021 – Won a quarterly award for the Cold Jet value of Personal Effectiveness. Awarded for work supporting the commercial launch of the IoT platform, "CONNECT Analytics".

April 2021 – Won a quarterly award for the Cold Jet value of Innovation. Awarded for my work to design and develop the "Fleet Management" module in "Cold Jet CONNECT Analytics".

October 2020 – Won a quarterly award for the Cold Jet value of Innovation. Awarded for significant product enhancements to Cold Jet's "CONNECT Analytics" platform.

November 2019 – Won a quarterly award for the Cold Jet value of Innovation. Awarded for designing and developing Cold Jet's IoT platform, "CONNECT Analytics".

August 2016 – Won a quarterly award for the Cold Jet value of Innovation. Awarded for design and development of the Pipeline Dashboard. This report provided important new insights into our sales pipeline.

March 2015 – Won a quarterly award for the Cold Jet value of Customer Satisfaction because of my never-ending desire to better serve my customers.

March 2014 – Won the Cold Jet award for Innovation for creating a new Engineering Change Request system.

August 2005 – Member of the Convergys Web Team that received the Web Marketing Association's 2005 Web Award for Outstanding Achievement in Website Development.

August 2004 – Received the Spotlighting Employee Excellence award from Convergys for my role in developing a web-based, resource management application.

March 1999 – Received the 1998 SDRC Innovation Award for my role in developing the new, HTML based, Online Help Library for SDRC's I-DEAS product.

June 1997 – Received an SDRC Achievement Award for Process Improvement.

Education

Associates Degree of Applied Business
Major: Computer Information Systems Programming
Cincinnati Technical College
November, 1992