R E S U M E

Grant Rostig B.S., D.C.
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C++ Programmer with excellent Communication skills.
25 years implementing quality, performant, effective, and usable computerized solutions.

Technology Overview - Currently in Use [or relevant]	Years
Modern C++ (C++14, C++17).	3.0
C++ Boost Libraries (program_options, tuple, bimap, operator, special math functions).	1.5
C++ Eigen3 Library (linear algebra as applied to machine learning).	1.5
C Language (K&R). [Last used twenty-two years ago. 😉]	2.0
AWS Cloud Architect & Programmer. (EC2, VPC, RDS, CloudFormation, DataPipeline, Route53, IAM, Elastic Beanstalk, and CLI). [Last used 4 years ago.]	1.0
Linux System Admin, Bash Scripting, & TCP/IP (Fedora, Debian, SuSE, Ubuntu).	12.0
Oracle & PostgreSQL Database Designer, Admin & Dev. (Pro*C) [Last used 4 years ago.]	6.0
Self Study/Buzz Words: SPARK, Hadoop, python, java, C#, go, Pascal, HPX & OpenMP & Open MPI, JavaScript, PL/SQL, HTTP/REST, Oracle DB, MongoDB, Cassandra, Elastic Search, CouchDB and Couch Base.	Staying Current 😊

Software Industry Functions	Years
Programming	18.0
Software Architect / Object Oriented Analysis and Design	3.5
Functional Programming	1.0
Logical / Physical Database Design – Data Modeling	6.0
Production DBA	2.0
Project Management, Systems Analysis and Business Analyst	5.0
Written & Verbal Business Communications	39.0
Technical Writing & Program Documentation	39.0
Technical Support & Technical Instructor	3.0

Industry/Domain Knowledge
- Software Business - all phases of the software sales/design/development/delivery/support cycles.
- Machine Learning.
- Blockchain & Cryptography.
- Mathematics – Calculus, Statistics, Probability, Linear Algebra.
- Accounting, Trading & Finance.
- Health Care & Pharmacy & Insurance.

SOFTWARE EXPERIENCE

Finastra.com, Austin, TX. – Contractor 100% remote.
C++ Programmer   **06/2021 – Present**
Coding using C++ to Oracle DB with IBM MQ to process banks' financial payment transactions via GFX/GPP.

Mdtui.com, Austin, TX. – Startup
C++ Programmer Analyst   **03/2020 – 06/2021**
Startup creating a password management application and text based user interface library, using C++, Cereal (serialization library), Crypto++, POSIX system calls on Linux.

CPPMSG.com, Austin, TX.
Software Technology Mentoring & Study Group Facilitator   **03/2015 – Present**
   ✓ Modern C++
   ✓ AI / Machine Learning & Related Math
Founder: Organize, facilitate, lead and participate in C++ and ML study sessions and coding. Sample source code of various C++ and ML demonstration programs available on request.

SwordPoint Studios, Austin, TX. – Independent Contractor
C++ Senior Software Engineer   **03/2019 – 03/2020**
Design and coding of high-performance modern C++17 algorithms related to RGBA color images on Linux using Qt.io tools. Coding collaboration and source control using the Atlassian tool set.

Bifst.com, Austin, TX.
C++ Programmer and Machine Learning Engineer   **01/2017 – 03/2019**
Startup creating a service to extract detailed ontological product specification by web scraping, using C++, Eigen, Boost & gnuplot-iostream on Linux.

Grant Rostig and Associates (self-employment), Austin, TX.
Programmer & Database Designer & Software Architect   **01/2004 – 3/2019**
   ⚔ ATXfloods.com Website (City of Austin, TX) 06/2014 – 07/2015 Architected, coded, load-tested and deployed a durable and auto-scaling website on the AWS cloud infrastructure using CloudFormation and Data Pipeline on EC2 with RDS.
      ◦ Migrated from another web hosting infrastructure to AWS and upgraded to SSL using openSSL tools and Entrust certificates.
      ◦ Upgraded the existing website code to improve manageability and security. Implemented XSS security protocols.   Website is implemented PHP, Apache, Linux and MySQL. Load tested using 'siege', bees with machine guns, and Redline13.
   ⚔ Stock Trading Information System 2013-2014 - Designed the logical database for a stock market news, ownership and asset tracking system. Created Entity Relationship Diagrams using Oracle Data Modeler (SDDM) and Oracle Designer. Implemented Oracle 11g and 12 database instances.
   ⚔ Discussion Forum Software 2004-2005 - Lead the analysis, design and programming for a debate website with a permanent searchable archive. Technology deployed included web servers, application servers and database; Java, PostgreSQL, Solaris OS and Sun application server.

Tish Wood Web Services, Denison, TX.
Shell/bash Programmer & Linux Systems Administrator   **07/2003 - 10/2003**

General Mills Corp., Minneapolis, MN.
Database Designer & PL/SQL Programmer   **09/2001 - 08/2002**

Client: Wizmo.com, Eden Prairie, MN.
Software Architect / Design DBA   **03/2000 - 01/2001**

Grant Rostig and Associates (self-employment), Saint Paul, MN.
OO Programmer, DBA & Linux Admin with bash scripting   **02/2000 - 01/2001**

Client: Xerox, Oakdale, MN.
Database Designer/DBA & Software Architect   **08/1999 - 02/2000**

Techies.com, Edina, MN.
Database Designer/DBA & Software Architect   **02/99 - 06/99**

Client: U.S. Postal Service, Bloomington, MN.
Database Designer, PL/SQL & Project Manager/Planner   **11/97 - 07/98**

Dynamic Information Systems, St. Louis Park, MN.
OO Programmer & DBA.   **11/96 - 10/97**

Client: Siemens Energy & Automation Inc., Power Automation Division, Brooklyn Park MN.
C & Database Programmer   **12/95 - 06/96**

Medintell Systems Corporation, Minneapolis, MN.
C & Database Programmer   **10/94 - 12/95**

Excelan Inc. (a division of NOVELL), San Jose, CA.
C Programmer & Technical Instructor – Systems Device Drivers **01/86 - 03/88**

Fortune Systems Inc., Belmont, CA.
C Programmer & Support – Internationalization Systems Libraries **08/83 - 11/85**

Wildwood Natural Foods, Fairfax, CA.
Programmer & Support – ERP Predictive & Accounting Applications **1983 -1986**

Montreal, Canada.
Programmer & Support – Accounting Applications   **1980 - 1982**

EDUCATION

- Northwestern Health Sciences University, Bloomington, MN
  Doctor of Chiropractic, Cum Laude (Honors)   **1990 - 1993**
  Bachelor of Science, Human Biology
  Designed and executed a reliability study as principal investigator.

- University of Minnesota, Minneapolis, MN
  Pre-Medical Sciences   **1988 - 1989**

- Concordia University, Montreal, Canada
  Computer Science / Accounting / Math Coursework

github.com/grantrostig   linkedin.com/in/grantrostig   bitbucket.org/grantrostig/ml_playground/src