D. Neil Watson
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Pittsburgh, PA

Android: +1 (412) 614-9301

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Skills

Agile & Lean (Cockburn, Ries)

AI Tools (GPT, ollama, Gemma)

APIs
REST, JSON-API

DevOps

MySQL, SQLite, PostgreSQL

Software Design

Software Development
C++, Python,Typescript

Software Deployment

MacOS
Intel, Apple Silicon, BSD, Shell

Windows 11
WSL2, C#, .net

UNIX
Shell, Desktop,Linux Way

Awards

Infoword Top 100
Nov, 2006

Idea Foundry Fellowship
Aug 2003

Education

MIT (Continuing Education)
IAP-RDBMS 2012

Duquesne University
BSBA, 1991

Summary

Seeking work in-office requiring relocation and/or travel. See my Github for detail.

Experience

Freelance	March 2024
Software Design Engineer (AI, GPT, LLLM, Ollama, llm	Present
Wyvern LTD	Nov 2023 - Feb 2024
Technical Consultant, NodeJS, TS	Pittsburgh, PA (remote)
Knoema	Apr 2022 - June 2022
Head of Engineering	Pittsburgh, PA (remote)
Carnegie Mellon University	Jan 2020 - Sep 2020
Senior Member of Technical Staff AI, ETC, HCI, HPC	Pittsburgh, PA
Caterpillar Automation Center	Oct 2018 - Dec 2021
Software Engineering Specialist, Cloud Native	Pittsburgh, PA
Rent Jungle (Rainmaker, RealPage)	Sep 2016 - Oct 2018
Senior Software Developer, Kubernetes, DevOps, SRE	Pittsburgh, PA
Wellbridge Health	Feb 2015 - May 2016
VP Product Development, Aptible, Python, Django, JSON API	Pittsburgh, PA
Hire An Esquire (Lindsay & Africa)	Jan 2014 - Dec 2014
VP Engineering, Django, Python, Postgres	Pittsburgh, PA
Forever	Jan 2013 - Jan 2014
Python Prototype, Rails Production System 1.0	Pittsburgh, PA
BrainStorm SMS Technologies (MindMatrix)	Jun 2011 - Oct 2012
Senior Engineer, Python, Conversational Text API (SMS)	Pittsburgh, PA
Wellspring	Mar 2010 - Feb 2011
Software Development Manager, SaaS, DevOps/SRE	Pittsburgh, PA
Applied Perception (Foster-Miller, Qinetiq)	Jun 2008 - Aug 2009
Project Engineer, UX/UI robotics C++/Qt Talon, HULS C++	Cranberry Twp., PA
Nomos (Best Medical , North American Scientific)	Jan 2006 - Jun 2007
UI Software Developer, 4d radiotherapy prototype, QA/QC	Cranberry Twp., PA
MAYA Design (BCG)	Sep 2004 - Jan 2006
Software Design Engineer, Phillips (Lutron), DHS, 3RC, GDC4	Pittsburgh, PA
Cobind (Timesys(Lynx))	Aug 2003 - Sep 2004
Cofounder, Linux Distribution Infrastructure and Tools	Pittsburgh, PA
Management Science Associates (Metalsite)	Jul 2000 - Jun 2003
Senior Software Engineer, Life Sciences, Media, and Metals	Pittsburgh, PA
Legent, Platinum (CA Technologies)	Mar 1995 - Jul 2000
Sr Software Engineer, Telephony, CMS, TCP/IP Surveillance	Boston, Seattle
Mellon Financial	Jul 1992 - Mar 1995
Programmer, Executive Workbench fintech product-service	Pittsburgh, PA
United States Steel	Jun 1990 - Jul 1992
Programmer, Cybersecurity API	Pittsburgh, PA