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Objective

Ship usable software crafted by caring collaborators using lightweight methods and modern tools.

Summary

My studies yielded a CS merit award, programming internship, and a startup fellowship. Helping startups became a habit: nurturing gifted hackers cultivating ideas into engineering teams shipping complete products.

Skills

SDE: Technical contributor. Labs and startups making software on Linux, MacOS, Windows, and Cloud (SaaS). Wrote C++ code for Linux, Windows GUI in Qt, MySQL, PostgreSQL, and SQLite.

SRE: Hands-on tech lead roles. Early-stage startups. Idea-Demo-CI/CD-Ship. Wrote python code on Linux, Mac, Windows, and Cloud (SaaS).

SDM: Leadership roles. Late stage startups and R&D labs. Led teams through continuous improvement, CI/CD, DevOps, and SRE. Repaired tech debt, legacy code, and failed agile.

Comments From Coworkers 💬

An amazing listener, collaborative employee, and excellent engineer who cares about the users of systems he's building, thinks creatively and critically, and sees the bigger technological picture.

Experience

Technical Consultant	**Caterpillar**	**2021**
Member of Technical Staff	**Carnegie Mellon**	**2020**
Collaborated with groups from AFC, AITF, ATAK, and NREC on AutoML		
Software Engineering Specialist	**Caterpillar**	**2018-2020**
Software Developer	**Realpage**	**2016-2018**
Coded crawler data pipeline in AWS/kubernetes, linux, python, and postgres		
VP Product Development	**Wellbridge Health**	**2015-2016**
Led product development team from MVP to production remote coaching system		
Software Development Manager	**Wellspring**	**2010-2011**
Transformed legacy ops from data center to automated CI/CD SaaS deployment		
Project Engineer	**Qinetiq**	**2008-2009**
Ported Windows GUI to ruggedized Linux Operator Control Unit (OCU)		
UI Software Engineer	**Nomos**	**2006-2007**
Wrote automated tests for Corvus; Prototyped adaptive 4D treatment planning		
Software Design Engineer	**MAYA Design**	**2004-2006**
Received Infoworld Top 100 award for humanservices.net web on Linux		
Co-Founder	**Cobind**	**2003-2004**
Won an Idea Foundry Transformation Fellowship; launched DIY Linux Tools startup		
Member of Technical Staff	**CA Technologies**	**1995-2000**
Built Windows GUI features for Automation Point, Raveler, and Unicenter		

Education

Bachelor of Science	**Duquesne**	**1991**
Course of study included business, computer science, and music		