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## Summary

Designing, developing, and deploying software from feasible prototype to shippable product to viable profit.

## Objective

Craft software with a caring, daring, reflective team of creatives sharing common [aesthetics](#), [methods](#), and [tools](#).

## Knowledge and Skills

Platforms/th>	Language	Database	Cloud
Linux MacOS Windows	C/C++ HTML/CSS/JS Python	Postgres SQLite Redis	Docker Kubernetes Proxmox
Architecture	Integration (CI)	Deployment (CD)	Frameworks
API HCI LXC/KVM	Jenkins Circle CI GitOps	Aptible Capistrano Shippable	Django Flask Rails

## Experience (Primary)

<b>SW Eng. Specialist</b>	<a href="#">Caterpillar</a>	2018-2020
Designed storage system on Kubernetes; Worked with IT to make provisioning private cloud infrastructure feasible		
<b>Sr. SW Dev.</b>	<a href="#">Rent Jungle</a>	2016-2018
Coded crawler data pipeline from Docker and Kubernetes on Linux & Mac to AWS in Python with Postgres & MySQL		
<b>VP Product Dev.</b>	<a href="#">Wellbridge Health</a>	2015-2016
Led product development team from MVP to telehealth sensor system in Python, Flask, Django, Postgres, and Aptible		
<b>Senior SW Dev.</b>	<a href="#">Forever</a>	2013-2014
Prototyped MVP in Python, Flask, NoSQL; Ported system to Ruby/Rails/Postgres for production deployment on Heroku		
<b>Senior Eng.</b>	<a href="#">SMaSh</a>	2011-2012
Built conversational text interface to track blood glucose for diabetes patients in Python, Flask, Postgres, and Heroku		
<b>SW Dev. Mgr.</b>	<a href="#">Wellspring</a>	2010-2011
Transformed legacy ops from data center to automated CI/CD SaaS deployment cutting daily support to near zero		
<b>Project Eng.</b>	<a href="#">Applied Perception</a>	2008-2009
Ported C#.net GUI to Linux OCU in C++/Qt; Programmed Python XML sonar parser/viz between C++ GUI & HULS		
<b>UI SW Eng.</b>	<a href="#">Nomos</a>	2006-2007
Automated QA tests in C++ for Corvus radiation oncology product; Prototyped adaptive 4D radiotherapy in C++/Qt		
<b>SW Design Eng.</b>	<a href="#">MAYA Design</a>	2004-2006
Developed web stack on Linux & Mac in Python and NoSQL database; built predecessor to Hue in C#.net for Philips		
<b>Co-Founder</b>	<a href="#">Cobind</a>	2003-2004
Won an Idea Foundry Transformation Fellowship; launched DIY Linux Tools startup; built custom Linux distros online		

## Awards

<b>Infoworld</b>	Top 100 Award	Design and delivery of MAYA's DHS humanservices.net project
<b>Idea Foundry</b>	Transformation Fellowship	Startup (Cobind) Seed Investment and Entrepreneurial Support





## Experience (Secondary)

<b>Consultant</b>	<a href="#">Caterpillar</a>	2021
Built and profiled terrain visualization C++ code ported from Intel to Xilinx <a href="#">ZCU-104</a>		
<b>Sr. MTS</b>	<a href="#">Carnegie Mellon</a>	2020
At SEI, collaborated with groups from AT&T, Intel and NREC supporting projects like AI, HCI, and HPC in C++ and Python		
<b>VP Eng.</b>	<a href="#">Hire an Esquire</a>	2014
Led redesign, refactoring, and deployment of ground-up demolition of legacy Python, Django, Postgres web stack		
<b>Consultant</b>	<a href="#">TenthRow</a>	2009
Designed and built TenthRow - a web-based system to deliver a <a href="#">live music experience</a> via streaming to fans worldwide		
<b>Consultant</b>	<a href="#">MAYA Design</a>	2008
Collaborated with MAYA Design on usability of Bayer Diabetes Glycemic Monitor		
<b>Consultant</b>	<a href="#">Zenit Solutions</a>	2008
Designed and implemented python reporting system in web2py and postgresql to track movers via PostGIS and web2py		

## Open Source

<b>Programmer</b>	<a href="#">Github Issues Report</a>	2017
Coordinated code and configuration from the team at Rent Jungle		
<b>Programmer</b>	<a href="#">BodyTrace API</a> , <a href="#">PostgREST</a>	2015
Authored BodyTrace API and PostgREST client-server in Wellbridge Health JSON-API		
<b>Programmer</b>	<a href="#">Marquee</a>	2003
Contributed servlet implementation to Marquee XML-RPC library		

## Quotes From Coworkers

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|---|--|
|  He genuinely cares about the users of systems he's building.        |  He has a genuine interest in nurturing and mentoring others to help them achieve their goals.  |
|  He's more like a music producer than the typical software engineer. |  His sense of business, technology, and insights into usability makes him a great collaborator. |

## Education and Learning

Duquesne	<a href="#">Bachelor of Science</a>
Github	<a href="#">Git Foundations Workshop</a>
PyCon	<a href="#">Python Conference</a>
RDBMS and Internet Application Programming	<a href="#">MIT (CE)</a>