

## Objective

Craft complete products & services with creative people bound by protean culture, minimal methods, and modern tools.

## Summary

Startups taught me to value the implied constraints of small teams that scale to envision, prototype, redesign, refactor, and ship software on a cloud conveyor belt. Studies yielded a merit award, an internship, and ultimately a fellowship.

## Skills

**Development:** Tech contributor roles. R&D Labs & startups. Designed, developed & documented DB/API/GUI/WWW.

**Operations:** Hands-on tech lead roles. Early-stage startups. Agile, Builds, CI/CD & DevOps tools, containers & cloud.

**Management:** Leadership roles. Late stage startups and R&D labs. Led teams to iteratively improve SDLC methods.

## Commendations From Coworkers

David is an amazing listener, collaborative employee, and excellent engineer. From caring about users with curiosity and continued learning to seeing the bigger technological picture, he thinks creatively, critically, and nonlinearly.

## Experience (W-2 only, 1099 available upon request)

<b>Senior Member of Technical Staff</b>	<a href="#">Carnegie Mellon</a>	<b>2020-2020</b>
At SEI, collaborated with groups from AT&T, Intel and NREC supporting projects like AI, HCI, and HPC in C++ and Python		
<b>Software Engineering Specialist</b>	<a href="#">Caterpillar</a>	<b>2018-2020</b>
Designed storage system on Kubernetes; Worked with IT to make provisioning private cloud infrastructure feasible		
<b>Senior Software Developer</b>	<a href="#">Rent Jungle (acquired by Rainmaker &amp; Realpage)</a>	<b>2016-2018</b>
Coded crawler data pipeline from Docker and Kubernetes on Linux & Mac to AWS in Python with Postgres & MySQL		
<b>VP Product Development</b>	<a href="#">Wellbridge Health</a>	<b>2015-2016</b>
Led product development team from MVP to telehealth sensor system in Python, Flask, Django, Postgres, and Aptible		
<b>VP Engineering</b>	<a href="#">Hire an Esquire (acquired by Major, Lindsey, and Africa)</a>	<b>2014-2014</b>
Led redesign, refactoring, and deployment of ground-up demolition of legacy Python, Django, Postgres web stack		
<b>Senior Software Developer</b>	<a href="#">Forever</a>	<b>2013-2014</b>
Prototyped MVP in Python, Flask, NoSQL; Ported system to Ruby/Rails/Postgres for production deployment on Heroku		
<b>Senior Engineer</b>	<a href="#">SMAsh (acquired by mindmatrix)</a>	<b>2011-2012</b>
Built conversational text interface to track blood glucose for diabetes patients in Python, Flask, Postgres, and Heroku		
<b>Software Development Manager</b>	<a href="#">Wellspring</a>	<b>2010-2011</b>
Transformed legacy ops from data center to automated CI/CD SaaS deployment cutting daily support to near zero		
<b>Project Engineer</b>	<a href="#">Applied Perception (acquired by Foster-Miller, Qinetiq)</a>	<b>2008-2009</b>
Ported C#.net GUI to Linux OCU in C++/Qt; Programmed Python XML sonar parser/viz between C++ GUI & HULS		
<b>UI Software Engineer</b>	<a href="#">Nomos (acquired by North American Scientific, Best Medical)</a>	<b>2006-2007</b>
Automated QA tests in C++ for Corvus radiation oncology product; Prototyped adaptive 4D radiotherapy in C++/Qt		
<b>Software Design Engineer</b>	<a href="#">MAYA Design (acquired by Boston Consulting Group (BCG))</a>	<b>2004-2006</b>
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>	<b>2003-2004</b>
Won an Idea Foundry Transformation Fellowship; launched DIY Linux Tools startup; built custom Linux distros online		
<b>Senior Software Engineer</b>	<a href="#">Management Science Associates</a>	<b>2000-2003</b>
Created VBA plugin enabling remote product import over SOAP protocol from Microsoft Excel to product database		
<b>Principal Member of Technical Staff</b>	<a href="#">Legent, Platinum (acquired by CA Technologies, Broadcom)</a>	<b>1995-2000</b>
Wrote GUI features (CMS, NMS) in C++ on Windows and OS/2 for Automation Point, Raveler, and Unicenter products		

## Education

<b>MIT (Continuing Education)</b>	RDBMS and Internet Programming (Greenspun)	<b>2012</b>
<b>Duquesne University</b>	Bachelor of Science	<b>1991</b>