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Objective:
To create world-class, purpose driven software for innovative products, services, or research [1]

Pitch:

I am:

- An **enthusiastic** and curious engineer, in constant pursuit of learning.
- A **systems thinker** with strong problem solving ability.
- Committed to designing excellent software, **professionally and personally**. See my public GitHub contributions, github stats [1, 2], npm stats, or many other FOSS packages.
- A **full stack web engineer**, head-to-toe. I have deep experience in the javascript ecosystem, including Nodejs, the browser, and Electron. I also hack in python, typescript, and some rust!
- A **technical leader**. As a team lead & core member of ampersandjs, I have been recognized and honored as an expert problem solver and reliable teamster.

To learn more about me and my values, please see my website @ http://cdaringe.com/about/.

Work Experience:

:: Tripwire, Inc (2016-Current)
.: Senior Software Engineer
.. Primary Tooling: javascript, typescript, react, redux, python, docker, java, postgres
  - UI Architecture system owner—defined, taught, & implemented web-application best practices in product teams.
  - Managed business processes & technical deliverables with multiple front-end contractor firms.
  - Responsible for team execution in product delivery including, but not limited to, planning through shipping phases.
  - Coordinated migration from monolithic system-service based architecture to container-service based architecture.
  - Designed & implemented many discrete containerized services in python, java, and nodejs.
  - Drove organizational adoption and deprecation of various architectural practices (RFC5545, BEM, container BKMs).
  - Mentored junior engineers, delivered periodic learning sessions (RxJs, CLI building, UI fundamentals).
  - Delivered regular stream of value-add, customer facing features.

:: The Mind Research Network, Albuquerque, NM (2014-2016)
.: Software Engineer
*.. Primary Tooling: nodejs, electron, hapi, javascript, php, react, redux, angular, &-js, *nix, postgresql, nosql variants*
  - COINSTAC project manager, front-end development lead.
  - Developed decentralized computation system for running collaborative, distributed, async analysis pipelines.
  - Developed fully offline-capable native web-app for serving clinical assessments/questionnaires.
  - Implemented automated testing suite, including cross-browser unit tests, back-end unit tests, and end-to-end selenium browser tests.
  - Developed management tool suite for neurological research studies.
  - Transitioned centralized server applications to distributed services model.

:: LAM Research, Tualatin, OR (2012-2014)
.: Automation/Test Engineer
*.. Primary Tooling: .net, php, javascript, jquery, *nix, mediawiki*
- Developed multi-peer application to continuously regulate factory material demand (e.g., digital kanban).
- Developed package to automatically synchronize work-cell material assignment data between business systems.
- Developed capacity reconciliation package to visualize and adjust work-cell utilization across manufacturing lines.
- Developed centralized eDMS implementation for engineering and factory community.
- *nix system ops for above services.
- Designed test processes and electro-mechanical fixtures for 30+ products across four product families.
- Developed mechanical sub-systems with core design teams, commonly involving wafer transfer systems.

:: Novellus Systems, Inc., Tualatin, OR (2008, 2010-2012)
.: Manufacturing Engineer

:: Intel Corporation, Hillsboro, OR (2009)
.: Digital Health Group: Manufacturing Engineer

Additional achievements, skills, & prior employment & truncated. Available on request.

Education:

Georgia Institute of Technology, 2015-2018
MS Computer Science, 2018
GPA: 4.0

Portland State University, 2012-2014
Equivalent, BS Computer Science (no capstone coursework)
GPA: 3.8

Oregon State University, 2005-2010
BS Manufacturing Engineering, BS Industrial Engineering, Business Minor
GPA: 3.92, Summa Cum Laude
Capstone: Automated Production Scheduling
- Developed software CAD package plugin for assessing factory resource consumption. Integrated consumption data with work-cell capacity and sales demand to generate production schedules. Schedules were optimized to either maximize throughput or minimize lateness.

Publications:
[NIH] **1R01DA040487-01A1**: COINSTAC: Decentralized, Scalable Analysis of Loosely Coupled Data
[NIH] 2R01EB005846: COINS Data Exchange: An open platform for compiling, curating, and disseminating neuroimaging data

Honors & Awards, Professional Activities, Leadership & Service, Misc Accomplishments:
Available upon request.

References available upon request:
Please visit my website (cdaringe.com/about) for additional details.