

# C.M. Lubinski

Humble Hacker

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## Overview

### APIs & Data

*Python* ▪ *Postgres* ▪ *REST*  
API-First Development  
Text Parsing, Machine Learning  
Data Modeling, Analysis, & ETL  
Secure, Scalable Solutions

### Web Development

*Django* ▪ *NodeJS* ▪ *React* ▪ *SASS*  
Static Site Generators, CMSes  
Visualizations, Maps, Interactions  
DevOps & Cloud Infrastructure  
Tests, Continuous Integration

### Team & Workflow

*Agile* ▪ *User-Centered* ▪ *Fail-Fast*  
Tight-Knit Peers Sharing Skills  
Continuous Research & Learning  
Thoughtful Code Reviews  
Open Source, Transparent Plans

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## Recent Work History

### Backend Lead

*18F (General Services Administration) - Remote*

Sep '14 - Present

Government tech startup improving the public's experience through shared services, best practices, & open data

*Python* ▪ *ES6* ▪ *SASS* ▪ *Ruby* ▪ *Django* ▪ *NodeJS* ▪ *React* ▪ *Next.js* ▪ *Rails* ▪ *Postgres* ▪ *AWS* ▪ *Cloud Foundry*

- Launched five new federal software systems and significantly extended six more as a full-stack developer
- Helped guide waterfall-centric clients, agile engineers, & research-oriented designers to successful sprints
- Set high expectations for code contributions, focusing on legibility, testability, and clean code principles
- Promoted to "Lead" of 30+ engineers; hosted presentations, post mortems, code reviews, & pairing sessions
- Filtered ~100 resumes and interviewed nearly 50 technical candidates, leading to seven 18F hires

### Backend Developer

*Consumer Financial Protection Bureau - Remote*

Dec '12 - Sep '14

Technology Fellowship building public-facing web apps and internal data analysis tools for bank regulators

*Python* ▪ *JavaScript* ▪ *LESS* ▪ *Django* ▪ *Flask* ▪ *Backbone* ▪ *Leaflet* ▪ *MySQL* ▪ *PostGIS* ▪ *Solr* ▪ *CentOS*

- Shipped three major, user-centric software projects and two significant prototypes, iterating each frequently
- Contributed to high test coverage, style guide adherence, & code review via frequent discussion/feedback
- Promoted policies on transparency, open source, and releasing software through working groups & writings

### Chief Developer

*Toodalu, LLC - Chicago & Work from Home*

Aug '10 - Nov '12

Quickly evolving, location-based startup focusing on loyalty rewards, charitable giving, and white-labeled apps

*Scala* ▪ *Python* ▪ *Lift* ▪ *jQuery* ▪ *Postgres* ▪ *MongoDB* ▪ *Solr* ▪ *Wordpress* ▪ *Debian*

- Led the majority of technology decisions, shepherded the code base through numerous, radical pivots
- Researched and integrated with credit card processors, social networks, CMSes, mobile utilities, and more
- Configured and maintained all servers, including continuous integration with black-box integration tests

### Web Developer

*Network Ninja, Inc. - Chicago*

Jun '08 - Aug '10

White-labeled case management tool for pro bono attorneys, aiding document/client tracking and reporting

*Object-Oriented PHP* ▪ *JavaScript* ▪ *Python* ▪ *Prototype* ▪ *Postgres* ▪ *Trac* ▪ *Drupal* ▪ *Debian*

- Extended application based on project management priorities, pushing weekly; focused on modularity
  - Instituted automation regimes around app setup and unit-testing, preventing countless bugs
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## Education

### Master of Science with Distinction

2014

Computer Science (Theory), DePaul University

### Bachelor of Arts with Honors

2008

Computer Science, Grinnell College

## Continuing

MOOCs on AI, Crypto, Data Science, Formal Logic,  
Journalism, ML, Network Analysis, NLP, & more

Self-study through conferences, meetups, podcasts,  
articles, books, and a tendency to tinker

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## Other Points of Pride

Presentations & Articles about security, technologies, clean code, CS theory, team morale, and more

Open Source patches/plugins to upstream frameworks, community management, and personal projects

Recognition & Awards for innovation, promoting best practices, helping colleagues, and customer service

Purpose matters; I write tools for pro bono attorneys, charities, regulators, the public, and other do-gooders