

# Nicholas Wilson

REDACTED CONTACT DETAILS

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[www.linkedin.com/in/nwilson5](http://www.linkedin.com/in/nwilson5)

Eugene, OR

## Experience

### SENIOR DEVELOPER

2016 – present

*Cybo Company* · Eugene, OR

- Developed data processing pipeline to import, normalize, geocode, dedupe records across 60k+ spreadsheets.
- Led advertising monetization initiative, with layout testing, driving \$150K+ monthly revenue.
- Scaled server capacity for 50 million dynamic web requests per day.
- Implemented multi-region availability to support 38 domains across 13 AWS regions, 4 Aliyun regions.
- Developed job scheduling tools to automate 55+ tasks.
- Managed remote international contractors on advertising, API projects.
- Managed vendor relationships, collaborated with Ezoic, Adpushup, others on advertising & affiliate programs.
- Oversaw the setup, maintenance of 30+ servers and networking equipment, local and collocated.

### JUNIOR DEVELOPER

2011 – 2016

*Cybo Company* · Eugene, OR

- Designed normalized database architecture, strategy for denormalization as needed with triggers for integrity.
- Profiled & optimized application performance via low-level caching, SQL query & index optimization, reducing response times to <200ms (4x faster).
- Managed critical stack migration: upgraded Python 2 to 3, PostgreSQL, Django & Ubuntu versions.
- Transformed 1.4B sentences into embeddings, led development of predictive models to extract insights.
- Localized dynamic websites into 50 languages, writing quality checks on over 4,000+ translated items.
- Collaborated with App developer, building backend resources to roll out IOS and Android apps.

### MANUFACTURING TECHNICIAN

2007 – 2008

*Hynix Semiconductor Manufacturing of America* · Eugene, OR

- Certified on 17 of 20 machines in Diffusion department.
- Employee of the month, May 2008.

### MANUFACTURING TECHNICIAN (TEMP)

SUMMER 2005, 2006

*Hynix Semiconductor Manufacturing of America* · Eugene, OR

- Clean room environment, semiconductor chip manufacturing.

## Education

### BS, MATHEMATICS AND COMPUTER SCIENCE

2011

*University of Oregon* · Eugene, OR

## Skills & Expertise

- Python, incl. Django framework
- PostgreSQL, streaming replication
- HTML, SCSS, CSS, JS
- Node.js / npm
- Git version control
- AWS (EC2, S3, Cloudfront, Lambdas, API Gateway)
- Enterprise Cloudflare Services
- nginx, haproxy, pgbouncer
- Linux administration, bash scripting
- CI/CD principles (e.g. blue/green deployments)