



URBAN SKUDNIK

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SUMMARY

Product engineer, usually found turning spreadsheets into products. Solidly full stack, but focused on backend and data engineering.

- Tech lead platform team, **creating embedded analytics platform**
- Lead integrations with **\$10 billion+ customers that brought online 7 figure ARR**,
- Site and data pipeline reliability engineering
- Guided product, engineering and business with technical optionality, budgetary calculations, and cost optimizations

SKILLS

- Software Engineering
- Site Reliability Engineering
- Data Engineering
- Python - Django, Flask, pandas, SQLAlchemy, mypy, ...
- SQL - MySQL, PostgreSQL, Snowflake, SQLite
- NoSQL - ElasticSearch, Mongo
- Temporal
- dbt, Fivetran
- Docker, Heroku, fly.io, AWS, GCP

EXPERIENCE

Crunchtime (Zenput)

Senior Software Engineer

December 2019 | November 2023

Remote

- Developing operations execution product, helping grow company from **7 figures**, via merger and acquisition, **to 9 figure ARR**
- Tech lead data platform team, **creating embedded analytics platform** to support customer self-service reporting
 - Reduced **time to insight** for customers from **minutes to seconds** by creating interactive reports instead of emailed static files
 - Reduced **time to market** for data products from **weeks to hours**, and **removing the need for engineering resources** almost completely
 - Removed quarter(s) of work by developing mobile analytics solution
 - Designed systems and processes to get team to create resources and onboard other software and data engineers
- Tech lead **integrations with \$10 billion+ customers**, creating highly reliable integrations that brought online **7 figure ARR**,
- Site reliability engineering
 - On-call engineer, resolved production incidents
 - Lead Root Cause Analysis, implemented tooling and processes to prevent future incidents
 - Implemented technologies and processes to increase code resiliency and reliability
 - Tech lead initiative to bring in Temporal for highly reliable processes
 - Started initiative to bring down test execution time **from 1 hour to 5 minutes**
 - Drove codebase improvements at scale by creating tools for other engineers to help engineering drive down technical debt and spread awareness of new practices, **reducing code debt at a sustained 5-15% YoY pace**
- Guided product, engineering and business with technical optionality and budgetary calculations and optimizations
 - Brought down operational costs of infrastructure by **50k/year+** by identifying most expensive queries and creating suggestions for improvements
 - Aligned vendors roadmap with internal product requirements
 - Advised business on financial forecasts for projects, **increasing project viability** by bringing down the cost **from \$2.5 million to 350-400k**
 - Partnered with vendors to get them to Do The Right Thing and reduce pressure on internal engineering resources (and helping open source in the process)

Technologies: Python, SQL, dbt, Snowflake, Temporal, Fivetran, Sigma Computing, Django, MySQL, React, Backbone

URLs

- <https://zenput.com>
- <https://crunchtime.com>

ShopGypsy
CTO / Lead Technical Consultant

January 2019 | January 2020
Remote

- Developed scrapers, data warehouse and supporting infrastructure for ingesting clothing offerings from data providers for a startup ShopGypsy

Technologies: Elm, Postgrest, Python, Kubernetes, Google Cloud Platform (GKE, GCE), Docker, PostgreSQL, Scrappy

Messari
Senior Software Engineer / Consultant

September 2019 | January 2019
Remote

- Lead and developed data ingestion engine for real-time crypto stock exchange information
- Developed data warehouse serving historical data for cryptocurrency projects

Technologies: Go, InfluxDB, PostgreSQL, Kaiko

URLs

- <https://messari.io/>
- <https://www.kaiko.com/>

Octane AI
Software Engineer

July 2017 | April 2018
Remote

- Developing WYSIWYG bot creation tool for Facebook Messenger Platform
- Developing new product features and worked with vendors to facilitate integrations

Technologies: Python, Flask, Redis, Greenlets, JavaScript, React, AWS, Facebook API

URLs

- <https://octane.ai>
- <https://yext.com>
- <https://twitter.com/howard/status/969327079635472384>

RiskOptics (Reciprocity)
Software Engineer

February 2015 | February 2017
Remote & On-site

- Developing as open source contributor to Google's GGRC project, from writing initial specifications with product/feature owners at Google to bringing features to final completion and production delivery
- Developing company's closed-source fork, lead the transition from Google App Engine to AWS EC2, deployed and maintained customers on EC2 and implemented customer-specific features and login systems

Technologies: Python, SQLAlchemy, MySQL, Flask, JavaScript, CanJS, Google App Engine, Google Cloud SQL, AWS, Appscale

URLs

- <https://reciprocity.com/>
- <https://github.com/uskudnik/ggrc-core/>
 - Note: Google has since deprecated the project

Celtra <i>Software Engineer</i>	November 2013 October 2014 On-site
Commission for the Prevention of Corruption of the Republic of Slovenia <i>Software Engineer</i>	October 2011 September 2013 Remote & On-site
Google Summer of Code – Gephi <i>Software Engineer</i>	May 2011 August 2011 Remote
Google Summer of Code – Deja Dup <i>Software Engineer</i>	May 2010 – August 2010 Remote
amazon-glacier-cmd-interface <i>Open Source client for AWS Glacier</i>	2012 – 2016
<ul style="list-style-type: none"> • https://github.com/uskudnik/amazon-glacier-cmd-interface/ 	

EDUCATION

Faculty of Mathematics and Physics, Physics	2008 - 2013
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OFFLINE

Avid foodie and out-door person – hiker, (mountain) biker, swimmer, runner and skier and also an active member of local ski club and judge on local-level junior competitions.