



# URBAN ŠKUDNIK

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## OBJECTIVES & VALUES

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

- Tech lead vendor selection processes for embedded analytics, data integrations with \$10 billion+ customers, served as on-call engineer, and resolved production incidents,
- Provided product and management with tech optionality and budgetary calculations and optimizations. I've helped bring down operational costs of infrastructure and helped aligned vendor's roadmaps with internal product requirements,
- I have a passion for creating solutions that have quick turn around that don't negatively impact site reliability and code quality,
- If it's an incident, we've failed - but let's do blameless post-mortem and update the tools and processes

## SKILLS

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- Python - Django, Flask, pandas, SQLAlchemy, mypy...
- SQL - MySQL, PostgreSQL, Snowflake, SQLite
- NoSQL - Elasticsearch, Mongo
- Temporal
- dbt, Fivetran
- Docker, Heroku, fly.io, AWS, GCP

## WORK EXPERIENCE & NOTABLE CONTRACT POSITIONS

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### Crunchtime (Zenput)

Senior Software Engineer

December 2019 | - November 2023

Remote

Working on operations execution product, powering restaurant, retail and convenience store in their compliance and food safety operations in over 40000 locations. Help grew company's ARR from 7 figures, via growth and merger and acquirisiton, to 9 figures.

Major projects & initiatives

- Tech lead platform team developing embedded analytics platform to support self-service reporting.
- Tech lead initiative to bring in Temporal for highly reliable processes.
- Lead data integration initiatives with \$10+ billion customers
- Started initiative to bring down test execution time from 1 hour to 5 minutes
- Helped drive codebase improvements by creating automated tooling to help guide developers

**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 several data providers for a stealth startup ShopGypsy. Dead.

**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 develop data ingestion engine for consuming real-time crypto stock exchange information from Kaiko. Developed data warehouse serving historical data for development information of various cryptocurrency projects.

**Technologies:** Go, InfluxDB, PostgreSQL, Kaiko

**URLs**

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

**Octane AI**  
*Software Engineer*

July 2017 | April 2018  
Remote

Worked on WYSIWYG bot creation tool for Facebook Messenger Platform. Primary responsibilities were developing new product features or extending existing ones and working with partners for integrations with external services (e.g. Yext).

**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

Working 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. Previously worked on 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

<b>Celtra</b> <i>Software Engineer</i>	November 2013   October 2014 On-site
<b>Commission for the Prevention of Corruption of the Republic of Slovenia</b> <i>Software Engineer</i>	October 2011   September 2013 Remote & On-site
<b>Google Summer of Code – Gephi</b> <i>Software Engineer</i>	May 2011   August 2011 Remote
<b>Google Summer of Code – Deja Dup</b> <i>Software Engineer</i>	May 2010 – August 2010 Remote

## EDUCATION

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<b>Faculty of Mathematics and Physics, course Physics</b>	2008 - 2013
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## OFFLINE

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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.