Urban Skudnik

urban.skudnik@gmail.com

in https://www.linkedin.com/in/urbanskudnik · ⊙ https://github.com/uskudnik

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** that reduced **time to insight** from **minutes to seconds**, and **time to market** from **weeks to hours**
- Managed integrations with **customers valued at over $10 billion**, resulting in generating a **seven-figure annual recurring revenue**
- Site and data pipeline reliability engineering
- Provided strategic and tactical direction to product, engineering, and business by providing technical options and feasibility analysis, conducting budgetary analyses, and suggesting and implementing cost optimization measures

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)   December 2019 | November 2023
Senior Software Engineer   Remote

- Developing operations execution product, helping grow company from **7 figure ARR**, 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
  - Leading development of mobile analytics solution, resulting in getting solution to customers **months** sooner
  - Developed systems and processes to facilitate team collaboration in resource creation and onboarding of software and data engineers
- Tech lead **integrations with $10 billion+ customers**, creating highly reliable integrations generating a **seven-figure annual recurring revenue**,
- 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 by technical options and feasibility analysis, conducting budgetary analyses, and suggesting and implementing cost optimization measures
  - Brought down operational costs of infrastructure by **50k/year+** by identifying outlier queries and suggesting architectural changes for improvements
  - Aligned vendor's 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 nudge 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   January 2019 | January 2020
CTO / Lead Technical Consultant   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, Scrapy

Messari   September 2019 | January 2019
Senior Software Engineer / Consultant   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   July 2017 | April 2018
Software Engineer   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)   February 2015 | February 2017
Software Engineer   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
Software Engineer

November 2013 | October 2014
On-site

Commission for the Prevention of Corruption of the Republic of Slovenia
Software Engineer

October 2011 | September 2013
Remote & On-site

Google Summer of Code – Gephi
Software Engineer

May 2011 | August 2011
Remote

Google Summer of Code – Deja Dup
Software Engineer

May 2010 – August 2010
Remote

amazon-glacier-cmd-interface
Open Source client for AWS Glacier

2012 – 2016

- https://github.com/uskudnik/amazon-glacier-cmd-interface/

EDUCATION

Faculty of Mathematics and Physics, Physics   2008 - 2013

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.