Lasse **Nordahl**

Software Engineer

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Experience

Cockroach Labs

New York City, NY

Software Engineer

August 2021 - Present

- Built an in-browser SQL shell for cockroachlabs.cloud, leading to a 3x increase in first query rate and doubling two week user retention.
- Led client development of a schema conversion tool, reduced the time to convert table structures to CockroachDB from days to hours.
- Rewrote cluster creation experience, reducing user drop-off by 20%, and supported a new tiering system while reducing client code by 50%.
- Created a credit-based free trial for new organizations, allowing users to test all components of the product before engaging with sales.
- Automated a manual release process by building an internal slackbot, which managed post-deployment tests, sign-offs, and resource deletions, saving on-call engineers several hours per week.
- Partnered with data science to path and track target customers, improving lead conversion models and increasing sales contacts by 10%.
- Redesigned internal admin dashboard, adding user roles for specific teams to monitor clusters, manage feature flags, and handle revenue operations. Platform improved account management for customer success teams and saved several hours a day for support teams.
- Represented front-end at weekly operation reviews, created dashboards for monitoring client performance.
- *Technologies:* React, Typescript, Golang, GRPC, SQL, Amplitude, Snowflake, Cypress, Datadog, Segment
- *Publication:* https://www.cockroachlabs.com/blog/cockroachdb-sql-in-browser/

The New York Times

New York City, NY

R&D Engineering Intern

October 2020 - June 2021

- Led a transcription project for newspaper archives using OCR, enabling digital re-publication of articles ranging between 1850 to 1990.
- Built a pipeline to assemble thousands of articles a day through parallelized image preprocessing, OCR scans, and text restructuring.
- Backed an index update with improved transcription data, increasing search performance and accuracy of articles referenced in news work.
- Released an internal application and API, enabling journalists to quickly transcribe articles with side-by-side references to source material.
- Project led to a 65% reduction in OCR errors, 96% word accuracy, and often transcribed articles more accurately than human transcriptions.
- *Technologies:* Python, OpenCV, PyTorch, Detectron2, FastAPI, Celery, React, Docker, Azure Cognitive Services
- *Publication:* https://rd.nytimes.com/projects/using-computer-vision-to-create-a-more-accurate-digital-archive

Intel & Beyond Limits AI

Folsom & Glendale, CA

Software Engineering Intern

June 2017 - August 2020

- Various internships across full-stack web development, robotics, data science, and computer vision.

Projects

www.download.zip & www.david.mov

Contract Work

Top-level Domain Showcase

March 2023 - April 2023

- Created websites for Google's Registry Team, showcasing new top-level domains .zip and .mov in their opening press release.
- Leveraged ThreeJS and created 3D assets to build a fun video player and blog for uploading monthly zip files, reaching a few thousand users.
- *Publication:* https://blog.google/products/registry/8-new-top-level-domains-for-dads-grads-tech/

Skills

Fluent	Javascript, Typescript, Golang, Python, HTML/CSS, SQL
Frameworks	React, Redux, GRPC, Protobuf, PostgreSQL, CockroachDB, PyTorch, OpenCV, ThreeJS
General	Full Stack Development, Computer Vision, Web Graphics

Education

University of California, Irvine

Irvine, CA

B.S. in Computer Science - 3.8/4.0 GPA

Graduated June 2021

- Concentration in Machine Learning and involvement with IOT research.