Jeff Erickson   *Senior Backend Software Engineer*   Tampere, Finland

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Summary

I am an experienced, versatile, and team-focused backend engineer with over 14 years of experience in building software. I am currently seeking Senior Software Engineer and Data Engineer roles in Tampere and Helsinki, Finland.

Technical Skills

Python, Go, R/Pandas, Elixir/OTP, Elm, Javascript/Typescript, PostgreSQL/MySQL, Flask/REST APIs, PostGIS, AWS/GCP, Terraform, Linux/bash/zsh, Serverless Principles, Apache Airflow/ETL Pipelines, Docker, Git/Github, Vim, Markdown/LaTeX

Education

M.A. Statistics *CUNY Hunter College, New York, NY, US*   *Aug 2015 - May 2018*
   Capstone: *Two Americas in Tweets: A Method for Analyzing Twitter Data with Structural Topic Models*
M.A. Mathematics Education *New York University, New York, NY, US*   *Jun 2008 - May 2009*
B.A. Mathematics *University of Washington, Seattle, WA, US*   *Aug 2005 - Mar 2008*

Relevant Professional Experience

Staff Software Engineer, Services *Daily Harvest, New York, NY, US*   *Sep 2019 - May 2022*
- Key Skills: Python, Go, MySQL, Third-Party Integrations, Apache Airflow, GCP, Project Management, Mentorship

- Contributed as technical lead to the Supply Chain Team, responsible for software which fulfills orders of frozen food products to 48 US states using multiple third-party fulfillment centers and carriers
- Lead large-scale integration project with fulfillment centers to streamline the order fulfillment process using Airflow
- Designed and built inventory management system for tracking inventory across entire network of manufacturers and shipping centers using event sourcing/CQRS model, multiple cloud technologies, Go, and Protocol Buffers
- Built system to allow for Operations to make regular changes to shipping configurations based on geography
- Developed internal software development kit to streamline development of internal Airflow projects

Senior Software Engineer *Oracle, New York, NY, US*   *Nov 2018 - Aug 2019*
- Key Skills: Python, Apache Airflow/ETL, PostgreSQL, EMR, AWS, Terraform

- Contributed as a member of the Data Import Team on Moat Analytics, a platform for collecting and reporting digital advertising viewability statistics
- Developed and maintained ETL pipelines in Python, processing TBs of data per day from third-party APIs and FTP servers using Airflow, Hive, and AWS services, such as ECS, EMR, Athena, S3/Glacier, and SQS

Software Engineer *Success Academy Charter Schools, New York, NY, US*   *Oct 2015 - Oct 2018*
- Key Skills: Python, Pandas, REST APIs, Microservices, ETL, Data Analysis/Visualizations, AWS

- Designed and developed backend REST APIs and microservices using AWS (Lambda, SNS, API Gateway, S3, etc.) for various projects, both internal- and external-facing, implementing event sourcing and CQRS if appropriate

Director, School Performance Policy *NYC Department of Education, New York, NY, US*   *Oct 2013 - Oct 2015*
- Key Skills: R, Go, Python, SAS, SQL Server, Data Analysis/Visualizations, Government Policy, Team Management

- Implemented new quantitative principal evaluation system for over 1600 school principals
- Developed new measure of student poverty using a blend of internal data and US census data
- Developed student grouping algorithm with Python and Go to measure achievement of "similar" students

Director, Data Reporting *Success Academy Charter Schools, New York, NY, US*   *Aug 2010 - Oct 2013*
- Key Skills: R, Perl, MySQL, Data Analysis/Visualizations, Reporting to Stakeholders, Team Management

- Designed, developed, and implemented an academic data warehouse using MySQL for storage of all internal data, and developed software in Perl and R to leverage the database and automate forms of internal reporting
- Produced many reports of accountability used by school staff, CEO, board members, and city/state governments

Languages English (Native), Swedish (Intermediate/B2),   **Citizenship** US Citizen with full right to work in Finland
          Finnish (Learning)