John T. Prince

Data Science Engineer

Recent Positions

Senior Platform Engineer
Aug 2020 – present. Engineering department, Owlet Baby Care, Lehi, Utah.
- Collaborating on and implementing schema-first Open API 3 endpoints
- Optimizing gunicorn and kubernetes health check parameters for microservices

Senior Data Science Engineer (Data Engineering Manager)
Apr 2019 – Aug 2020. Engineering department, 3plCentral, American Fork, Utah.
- Led new data engineer team to create event driven data platform in AWS with Kafka/Faust and later Kinesis/SQS
- Order-volume dashboard and inventory reporting flask-based REST APIs

Senior Software Engineer
Sep 2014 – Apr 2019. Engineering dept, Doba Inc. and CruxConnect, Lehi, UT.
- Design and implementation of CruxConnect product and catalog search domains
- Co-architect of CruxConnect's RESTful API
- Integration of AWS tools (Dynamodb, SQS, lambda, etc) into Doba platform
- Design and implemention of custom Holt-Winters algorithm for OOS prediction

Assistant Professor of Chemistry and Biochemistry
Mar 2010 – Sep 2014. Chem & Biochem, Brigham Young University, Provo, UT.
- Algorithm and software development for large-scale omic data analysis

Education & Publications

PhD in Molecular Biology: Bioinformatics and Computational Biology Track
Aug 2001 – May 2008. Center for Systems and Synthetic Biology, UT Austin.
- Thesis: "Integration and Validation of Mass Spectrometry Proteomics Data Sets"
- GPA 4.00/4.00

Bachelor of Science in Microbiology (Chemistry minor)
Dec 2000. Dept of Biology and Agriculture, BYU, Provo, Utah.
- *Magna Cum Laude* (3.9/4.0)
- National Merit Scholar

21 computationally focused peer reviewed publications (of 33 total publications)

Select Proficiencies

Python (7 yrs), Ruby (15 yrs), GCP (Kubernetes, Pub/Sub, BigQuery, SQL, RTDB), OpenAPI 3 schema-first design, Severless framework, Kafka, Faust (async stream processing), AWS (SQS, S3, Kinesis, DynamoDB, Lambda, Api-Gateway, Athena, ECS, and Fargate), Elasticsearch, MySQL, Postgresql, Django, Django Rest Framework, Flask, Pydantic, Dataclasses, Numpy/Scipy, Seaborn, SciRuby, Linux (~20 yrs, 11 yrs on Arch), Docker, Git, Github, Gitlab, Neovim, i3, Bash, Zsh, Cron

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