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# JOHN T. PRINCE

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## *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 unicorn 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 implementation 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 publications (of 33 total peer reviewed publications)**

### SELECT PROFICIENCIES

Python (7 yrs), Ruby (15 yrs), GCP (Kubernetes, Pub/Sub, BigQuery, SQL, RTDB), OpenAPI 3 schema-first design, Serverless 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