

Chad Van De Hey

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Education

University Of Wisconsin-Madison, *B.S. Computer Science*

May 2016

Experience

Apple, San Francisco, CA — *Software Engineer (ICT4)*

February 2020 - Present

- Wrote Python & Java web services for Apple's education products (gRPC, REST, Flask, Spring)
- Led migration from bare metal to CNCF cloud stack (Kubernetes, Helm, Istio, Jaeger, Spinnaker)
- Led migration of Python web services to AsyncIO
- Standardized Python tooling (Pyenv, Poetry, Black, Mypy, Pyright, Tox)
- Standardized Java tooling (Gradle Consistency Versions, Checkstyle, PMD)
- Engineered client encryption libraries used across agnostic data sources

Intuit, Mountain View, CA — *Software Engineer*

June 2016 - February 2020

- Engineered catalog management services for Intuit's commerce platform
 - Java Spring REST APIs, Python Flask AWS Lambdas
 - Assisted migration from bare metal to AWS based Kubernetes
 - Multi-region failover architectural design & implementation
- Implemented a functional testing platform using Postman and AWS Lambda

Technical Skills

Languages and Frameworks

- Extensive programming with Python & Java
- API design/implementation experience using gRPC, REST & GraphQL
- Backend web development framework expertise in Python Django/Flask, Java Spring, NodeJS
- Asynchronous Python and event loop monitoring skills (AsyncIO, Aiodebug, Aiomonitor)
- Professional & academic ML experience with Python (FastAI, Hugging Face, PyTorch, Pandas, Scikit-Learn, Jupyter)

Cloud and Miscellaneous Experience

- AWS DevOps (EKS, EC2, ELB, S3, Cloud Formation, Lambda, ECS and CodePipeline)
- Infrastructure as code (Pulumi, Terraform)
- Modern cloud tooling (Istio/Envoy Service Mesh, ArgoCD, Spinnaker, Open Telemetry)
- Industry standard virtualization using Docker, Skaffold & Kubernetes
- Continuous Integration configuration using Jenkins, CircleCI and TravisCI
- Redis based cache expertise for app performance and distributed system locking
- System monitoring experience (Splunk, Jaeger, Sentry)