

# Resume

## Brendon A. Kay

### Software Engineer

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### Experience

**Backend Engineer** | **XOi** | *July 2024 - Present* | *Remote*

**Languages & Tools:** Python, AWS Lambda, DynamoDB, PostgreSQL, TypeScript

- Develop Python APIs using AWS Lambda, AppSync REST/GraphQL with DynamoDB and PostgreSQL
- Build concurrent file import pipelines using AWS SQS and Lambda
- Design database schemas and optimize queries through indexing strategies
- Orchestrate data migrations and schema updates
- Manage AWS cloud infrastructure using CDK and CloudFormation
- Contribute to TypeScript frontend development
- Make independent technical decisions as the sole backend engineer on a Scrum team

**Backend Software Engineer III** | **Syndio** | *October 2021 - July 2024* | *Remote*

**Languages & Tools:** Go, Kubernetes, Docker, Terraform, Agile Development

- Built Go microservices processing customer data (CSVs, JSON APIs)
- Integrated ML statistics into backend services for workplace equity insights
- Designed scalable systems using Kubernetes and Google Cloud Functions
- Authored Dockerfiles and contributed to the Terraform infrastructure as code
- Mentored junior engineers
- Collaborated on feature design in an agile environment

**Technical Operations Lead Developer** | **Maize Analytics** | *June 2020 - October 2021* | *Remote*

**Languages & Tools:** Project Management, Software Architecture, Team Leadership, Scrum

- Designed and deployed a Go microservice deployment architecture using AWS ECS
- Established and executed deployment patterns for customer installations via ECS and EC2
- Designed scalable infrastructure for diverse customer environments
- Managed Scrum workflows for a DevOps team
- Mentored team on software architecture and DevOps practices

**Technical Operations Developer | Maize Analytics** | *January 2019 - June 2020* | *Remote*

**Languages & Tools:** ETL, AWS, Virtual Machines, Docker, Integration Development

- Developed integration solutions for on-site and AWS cloud deployments
- Built backend tools and monitoring for enterprise database integrations
- Created monitoring and alerting systems for integration reliability
- Maintained Python ETL tool for enterprise data processing
- Developed Go ETL tool improving processing performance
- Streamlined customer onboarding and data migration tools

## Education

**Bachelor of Science in Computer Engineering | Vermont Technical College** | *June 2015*

Member of the VTC engineering club