

David Adam

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[LinkedIn](#) | [GitHub](#)

Summary of Skills

- Languages: Python, TypeScript, JavaScript, C#
- Backend: FastAPI, ASP.NET Core, Node.js (Express, Fastify), RESTful APIs
- Frontend: Next.js, React Router, HTML, CSS
- Databases: PostgreSQL, SQL, Firebase
- Tools: Git, Docker, Linux, Postman, Jira
- Cloud: AWS (S3, SQS, DynamoDB)

Education

BACHELOR OF SCIENCE, COMPUTER SCIENCE
University of Calgary

SEP 2021 – APR 2026
CALGARY, AB

BACHELOR OF MUSIC, DIGITAL AUDIO ARTS
University of Lethbridge

SEP 2011 – DEC 2015
LETHBRIDGE, AB

Employment Experience

INTERN DEVELOPER
GIGADAT SOLUTIONS

MAY 2024 – JUL 2025
CALGARY, AB

- Performed manual testing on ~4 Jira tickets daily, identifying defects and contributing to improved product stability
- Participated in Agile development processes including sprint planning, ticket refinement, code reviews, and collaborative debugging
- Transitioned from QA into a development role, contributing to backend services during a migration from a monolithic architecture to microservices
- Designed, implemented, tested, and deployed an email notification microservice using TypeScript and AWS during the organization's migration from a monolithic architecture to microservices
- Built and integrated endpoints to handle email requests and support communication between application components

AUDIO VISUAL TECHNICIAN
EVOLUTION AV

AUG 2017 – MAR 2020
CALGARY, AB

- Set up and operated audio/visual systems for corporate live events in fast-paced environments
- Diagnosed and resolved technical issues while coordinating with clients and technicians to ensure reliable event execution
- Created technical documentation to streamline future setups and improve knowledge sharing among technicians

Projects

Project and Task Manager API - PERSONAL PROJECT

MAY 2026

- Designed and developed a RESTful backend API using ASP.NET Core and C#, implementing authentication, authorization, database persistence, and API documentation.
- Implemented cookie-based authentication and role-based authorization for secure access control
- Designed database models and handled data persistence using Entity Framework Core with PostgreSQL

PUPPLI - ACADEMIC PROJECT

SEP - DEC 2025

- Developed full-stack web application for users to create profiles, upload pictures, and vote on their favorite pictures
- Built a React-based frontend using reusable components and client-side routing and backend APIs using FastAPI
- Integrated Firebase for data storage and user authentication
- Collaborated in a team of 4 to deliver core application features and integrate backend with UI

Home Lab Infrastructure - PERSONAL PROJECT

DEC 2025 - PRESENT

- Designed and maintained a Linux-based homelab environment for self-hosted applications
- Deployed and managed containerized services using Docker
- Configured networking, reverse proxying, and service monitoring to support reliable system operation
- Utilized Linux command-line tools and scripting to automate administration and deployment tasks