

Jacob Blomquist

FULL STACK SOFTWARE ENGINEER · OPERATIONS COORDINATOR · IT SPECIALIST

Salt Lake City, Utah

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Key Attributes

Documentation	Effective at analyzing and documenting system design and processes including workflows and reporting.
Test Driven Development	Have designed several software systems using TDD methodologies.
API Integration	Extensive experience integrating various APIs into existing architecture.

Work Experience

Traeger Pellet Grills LLC

BACKEND SOFTWARE ENGINEER

Salt Lake City, UT

Dec. 2021 - Present

- Design and implement API integrations for dozens of systems.
- Worked extensively to migrate from an SSIS/MS-SQL system to a serverless architecture hosted on AWS Lambda.
- Improved repository CI/CD pipelines and containerized current production systems.
- Worked extensively with various API's including Salesforce, Epicor, SKULabs, Narvar, AWS, etc.
- Primary Technologies: SSIS/SSRS, MS-SQL, C, Python, AWS, Gitlab

Freelance

FULL STACK SOFTWARE ENGINEER

Salt Lake City, UT

Jan. 2021 - Dec. 2021

- Designed and developed an entire multi-server system for a client which included authentication/authorization, continuous backup, account management, analytics and external API integration.
- Consulted several organizations on automation solutions for business intelligence and administrative tasks.

Church of Jesus Christ of Latter-Day Saints - Global Services Department

FLOOR OPERATIONS COORDINATOR

Salt Lake City, UT

Apr. 2021 - Dec. 2021

- Ensure that customer Service Level Agreement is adequately maintained.
- Handle high-priority issues by coordinating and communication vital information between Major Incident Management and IT Support agents.
- Oversee testing and training of new products and support models.
- Work with Product Owners, Engineers and Users to create technical solutions to business needs.

Skills

Languages C++, C, Python, JavaScript, Golang, C#, Java, HTML, CSS, etc.

Frameworks & Libraries Node.js, AWS SDK, D3.js, P5.js, Flask, OpenGL, PortAudio, Qt, Steinberg ASIO, .NET Core, OpenAL

Miscellaneous GNU/Linux, AWS, Docker, BASH, GIT, SSH, SQL, CMake, MySQL, PostgreSQL, Selenium, SSIS/SSRS, Epicor, Salesforce, SKULabs, ServiceNow (CSM/ITSM), Cisco Meraki Cloud, SolarWinds Orion, ITIL

Education

University of Utah

BACHELOR OF SCIENCE - COMPUTER SCIENCE

Salt Lake City, UT

2021

Relevant Experience/Projects

Rugged HD - Call Recording Database

Freelance Work

GO, PYTHON, MYSQL, LINUX, CRON, NGINX, RINGCENTRAL

- A full-stack application which securely and efficiently stores phone call recordings for later retrieval. Used primarily to prevent legal liability and issues.
- Features include: User role management, automatic backups, efficient blob file storage external to relational database, load-balancing, and organizational separation of audio files.

DistanSing

Capstone Project

C++ / QT / PORTAUDIO / ASIO

- A cross-platform tool that allows musicians to sing and play together with low latency across a network.
- Utilizes a central server written in Python which helps bootstrap a peer-to-peer network.
- I was in charge of the Audio Processing Engine which interfaced directly with a custom audio driver and manually mixed audio streams.
- I designed and documented the architecture and communication protocols between several subsystems.