Alex Blackburn

Seattle, WA

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EDUCATION

University of Utah College of Engineering   **Salt Lake City, UT**

Bachelor of Science Computer Science (Honors College)   Graduated: May 2018

GPA: 3.70

WORK EXPERIENCE

Lucid Software   **Senior Software Engineer II (May 2018 – Present)**
- I have designed and executed many large projects:
  - Optimized frontend and backend user management, enabled accounts to go from 50K up to 1M users.
  - Built, launched and maintained SAML/SCIM integrations with Okta, Azure and OneLogin.
  - Re-designed data sync infrastructure to enable fast, scalable, and decoupled third party integrations.
  - Built a system for accounts to delegate management and license pools for user groups.
- I have been team lead for 3 different teams. I have helped many direct reports grow into promotions.
- I have fleshed out our recruiting process, leading a team of engineers to deliver 10 new interview questions.
- I have worked all over the tech stack, and designed solutions that leverage every piece of it: Scala, Typescript, Bazel, Angular, Terraform (AWS), Ruby, Python, Mysql

Epic Systems   **Software Development Intern (May 2017 – Aug 2017)**
- I used natural language processing and machine learning techniques to develop a system which automatically identified candidates for clinical trials.
  - 80% accuracy on random selection of 100 clinical trials.
  - Python backend, Bootstrap frontend.

Theradoc   **Data Integration Engineer (July 2016 – May 2017)**
- I built and maintained data pipelines and databases for hospitals to monitor infections using PL/SQL.

RELEVANT LANGUAGES

Scala / Java	Typescript / Javascript	Python	Terraform	C# / C++

TECHNICAL PROJECTS

Adventure to Infinity (https://adventuretoinfinity.com/)
- I created a browser based game which uses ChatGPT and DALL-E 2 to create never ending text adventures.
- User authorization through AWS Cognito, payments through Stripe, images and text through OpenAI.
- Nuxt 3, Tailwind CSS, AWS Lambda, DynamoDB, API Gateway, S3

The Cult Classics (https://www.thecultclassics.band/)
- I created a showcase website for my band to publish our music and events.
- Nuxt 3, Tailwind CSS, Github Pages, Spotify

Serverless isEven (https://github.com/blackburn32/serverlessIsEven)
- I created a lambda function with API Gateway and DynamoDB to determine if numbers are even or odd.
- NodeJS, AWS Lambda, DynamoDB, API Gateway

Metronome (https://blackburn32.github.io/metronome/)
- I created a metronome website which can be used to practice music
- Nuxt 3, Tailwind CSS, Github Pages