

# Conner Linzy

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## EMPLOYMENT

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### Software Engineer (node.js | PostgreSQL | AWS Lambda | SQS | CloudWatch)

Jul 2023 - Present

*K16 Solutions*

- Optimized and extended the capabilities of a complex ETL pipeline comprised of serverless functions that pulled data from APIs or scraped it from web pages, transformed the data, and pushed it to destination APIs.
- Managed 10+ concurrent clients across project phases, consistently delivering on-time results.
- Ensured comprehensive data acquisition by consuming legacy APIs, performing advanced web scraping, and reverse-engineering user processes to automate them.
- Performed detailed error tracing of AWS Lambda functions using CloudWatch Logs Insights.
- Created scripts that allowed migration processes to be run from the command line, improving developer experience.

### Full Stack Web Engineer (React | Python / Flask | MySQL | AWS | Terraform)

Feb 2021 - Jul 2023

*Area4Labs*

- Architected a full-stack SQL-based data localization solution to show dynamic data sets for geographic locales, circles/radii, polygons, and times, enabling geographically and seasonally targeted business offerings.
- Designed and built a user authentication system with Auth0, laying the groundwork for a subscription-based service.
- Managed migration of front end application from Wordpress to AWS ECS and described configurations with Terraform, improving scalability and availability during high traffic marketing events.
- Diagnosed API response times with the Locust load testing framework. Improved endpoint response times and reduced server cost by at least 25% by restructuring expensive queries.
- Implemented a CI / CD pipeline.

## PROJECTS

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### Cookbooks *Next.js, React, Node / Express, PostgreSQL, Auth0, Docker, AWS*

<https://cook-books.io/>

A web app for storing recipes. Paste a web link that contains a recipe and the recipe data is scraped and stored in a cookbook. Recipes are tagged automatically and can be searched by name or tag. Built with Next.js with a node.js custom server. Uses Postgres for data storage and is hosted on AWS Lightsail container service. Features a full CI/CD pipeline.

### Time Blocker *React, useReducer, Firebase, Auth0*

<https://time-blocker.netlify.app/>

A highly customizable, dashboard style application for time blocking and task scheduling. Utilizes React's native global state management hook, useReducer, and Firebase for data storage.

## TECHNOLOGIES

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<i>Backend</i>	Node, Express, Python, Flask, SQL, MongoDB, Firebase, Sockets, pytest
<i>Frontend</i>	Javascript, Typescript, React, Redux, Next.js, HTML, CSS, Responsive Design, Web Accessibility
<i>Systems</i>	Docker, Terraform, Git, Auth0, OAuth, CI / CD
<i>AWS</i>	EC2, ECS, CodePipeline, RDS, Lambda / SAM, CloudWatch, SQS, CloudFormation, Route 53
<i>Certifications</i>	AWS DOP-C02, AWS SAA-C03, CompTIA Project+, CompTIA A+, ITIL Foundation Level

## EDUCATION

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### BS Software Development

Western Governors University, Salt Lake City, UT