ELEAH BURMAN, Backend Software Engineer

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SUMMARY

An innovative backend software engineer, adept at crafting inventive solutions to complex problems while excelling in communication and collaboration. Tech stack includes: Node.js, Express, Python, Java, React, HTML5, CSS3, and JavaScript.

EXPERIENCE

Software Engineer/Office Manager
Tokio Marine HCC   June 2023 – December 2023
New York, NY
· Automated manual reporting by utilizing Python, Java, Camelot, and Pandas to seamlessly generate CSV files from PDFs, streamlining Risk Management for the insurance team.
· Successfully debugged Python code in a small team, while testing and maintaining current code, in collaboration with the Risk Manager, focusing on long-term solutions.
· Collaborated closely with cross-functional teams to grasp business requirements and translated them into technical specifications.
· Problem-solved with an automated solution to process and analyze PDFs, reducing manual labor by 50% and thus increasing accuracy of data from 32.3% to 98.7%.
· Used a version control system, e.g., Github.

Lead Software Engineer
Girls in Tech NYC Hackathon   October 2023 – October 2023
2nd Place Winner
New York, NY
· Portrayed leadership by guiding the full-stack development of a Python and Django based application, EcoNeighbor, which uses community-driven solutions to local environmental issues.

· Leveraged Python and Django to craft a user-friendly front-end interface, enabling users to pinpoint environmental issues on an interactive map that leverages an API and seamlessly engages with eco-action initiatives.
· Collaborated with UX designers and cross-functional teams to develop scalable and robust solutions with reusable components.
· Focusing on web-standards, semantics, usability, accessibility, and optimization, with special consideration given to code architecture, modularity, and reusability.

Executive Assistant
Citadel   October 2022 – March 2023
New York, NY
· Proactively anticipated demands and meeting arrangements of senior software engineer executive calendars in a fast-paced environment.
· Developed travel itineraries and logistics utilizing the Concur system.
· Acted as liaison in collaboration with the Executive, their Senior Directs, and business colleagues.
· Managed facilities/space planning, team outings and events, and the onboarding of new employees.
· Utilized Microsoft Suite tools, including PowerPoint, Word, Excel, and Outlook, for Citadel X team initiatives and strategic meetings with the CEO and CTO.

PROJECTS

Budget Buddy
Self-Initiated Project · https://budgetbuddy.netlify.app/ · November 2023 - January 2024
· Spearheaded the development of the frontend using React and implemented the backend with Node.js, Express, and MongoDB

· Designed a user-friendly platform enabling users to create personalized budgets in their preferred currency and effortlessly add expenses to align with financial objectives

· Implemented robust security measures by utilizing cookies and refresh tokens for authorization

· Established seamless integration with an API through the backend to ensure accurate currency conversion across various schemas

Drag Queen Collector
General Assembly · https://dragqueencollector.fly.dev/ · June 2023 - June 2023
· Developed frontend and backend with Python, Django, PostgreSQL, and AWS.
· Unleash your passion for drag queens, curate their captivating outfits, and capture their electrifying performances for the ultimate queen collection.

Bite Buddy
General Assembly · https://bitebuddyapp.netlify.app/ · May 2023 – May 2023
· Crafted frontend with React and backend with Node.js, and MongoDB, and utilizes an API.
· Ignite your culinary creativity with our React-based group project, leveraging an API to curate customized recipe boards.

Caffeinate-Me

General Assembly · https://caffeinate-me.fly.dev/ · April 2023 - April 2023

· Engineered with Mongoose, Express, Node and utilizes CRUD.

· Indulge your coffee cravings with this open-source MEAN stack application, infused with Google OAuth, enabling you to effortlessly add and review cafes, edit your reviews, and connect with fellow coffee enthusiasts.

· A user can personalize their profile with GIFs and a unique color scheme.

Cat Vs Cat Lady

General Assembly · https://catvscatlady.surge.sh/ · March 2023 - March 2023

· Constructed using HTML, CSS, Canvas and Javascript.

· Play against a human or ai in a game designed for frustrated cat owners who also happen to love tic-tac-toe.

· Developed a unique feature by creating a canvas script where a cat emoji descends from the top of the screen upon a win.

EDUCATION

Bachelor of Fine Arts

New York University · New York, N.Y. · 3.8 GPA

CERTIFICATIONS

Software Engineer

General Assembly · 2023

· Full-stack engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

COURSES

Fundamentals of Backend Engineering

Udemy · 2024

· Course covers understanding backend communication, design patterns, protocols, execution, and proxying

Backend Web Development with Node.js, Mongo and Express

Udemy · 2024

· Course covers learning to build fast, scalable, and secure RESTful services with Node, Express, and MongoDB

Google's Crash Course on Python

Coursera · 2023

· Certification covers Python fundamentals and automation, including script writing, basic structures (strings, lists, dictionaries), and creating custom objects for advanced programming.

Duke University's Python and Pandas for Data Engineering

Coursera · 2023

· Certification covers utilizing Pandas libraries for data manipulation, employing Vim and Visual Studio Code for Python coding, and setting up provisioned Python project environments.

SKILLS

Languages & Frameworks: HTML, CSS, JavaScript, Node.js, React.js, Express.js, Sequelize, Vue.js, Python, Flask.js, SQL

Databases & Platforms: MongoDB, PostgreSQL, AWS

Tools: Microsoft 365, Camelot, Pandas, GitHub, Visual Studio Code, Command Line, Mongoose, Insomnia, Postico, MongoDB