Enrico Blackwell

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EXPERIENCE

Workday   Boulder, Colorado
Software Development Engineer   June 2024 - Present

- Designed and implemented an asynchronous file upload pipeline in Java for the Subscription Management application, improving throughput and enabling concurrent processing of large-scale usage data
- Developed custom usage fields feature using TypeScript, React, and GraphQL, supporting flexible billing models and dynamic data schema modifications in PostgreSQL
- Implemented frontend role-based gating to control page and feature access based on user permissions and entitlements
- Collaborated with product managers, QA, and cross-functional teams in agile environment, participating in sprint planning, code reviews, and design discussions using Jira and internal tooling

Sarus Lifting   Denver, Colorado
Full Stack Developer   January 2023 - March 2024

- Worked at a three-person pre-seed startup, taking on multiple roles: attended customer interviews, managed database and frontend UI/UX, and provided strategic input on company direction
- Developed 3D crane rigging visualization using three.js, ground bearing pressure calculator with physics equations, and redesigned app UI with Figma
- Built oversize/overweight truck routing application from scratch using TypeScript and Trimble Maps API

Amazon   Seattle, Washington
SDE Intern, AWS EC2 Analytics   Summer 2022

- Optimized SQL queries on petabyte-scale data warehouse, improving performance by up to 20x
- Built ETL pipeline using AWS Lambda, S3, Redshift, and CloudFormation to automate data processing
- Participated in code reviews and created design documents following Amazon engineering standards

PROJECTS

What Would You Pay?
Full-Stack App, Vue, TypeScript, Fastify, PostgreSQL
- Developed a full-stack application for users to submit and compare price valuations for randomly generated game ideas.
- Engineered the server-side logic using Fastify and PostgreSQL, handling complex data validation and ensuring data persistence.
- Implemented the front-end using Vue.js and TypeScript, showcasing modern component architecture and clean UI/UX design.

SKILLS

Languages: JavaScript, TypeScript, Python, Java, C++, Kotlin, C#, SQL, HTML/CSS
Frameworks: React, Node.js, Express.js, Fastify, Vue.js, three.js, Unity
Databases & Cloud: PostgreSQL, MySQL, MongoDB, Firestore, AWS (S3, EC2, Lambda, Redshift, CloudFormation), Cloudflare, Heroku, Railway
Tools: Git, Jira, Notion, Trello, Figma, Agile

EDUCATION

University of Colorado Boulder   Boulder, Colorado
Bachelor of Science: Computer Science   May 2023