

Angad Misra

Software Engineer

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Experience

BuildingEase, Inc.

Boston, MA (Remote)

Software Developer (Full-Stack)

2024 – Present

- Designed and implemented RESTful APIs, database mappings, and authentication/permission control for user- and organization-level access using the Spring framework. Focused strongly on multithreaded performance, increasing API and database query performance by over 200% in some cases.
- Built and optimized React-based UI components and frontend logic for platform features such as material lists, product catalogs, and salvage management. Enhanced user experience/engagement by reducing load times by over 30%, contributing to a 5× growth in active users since Q1 2024.
- Engineered PostgreSQL data models and developed ETL pipelines to process and integrate sustainability, product, and human health data from 5+ sources, enabling data-driven decision-making and a richly detailed product/materials catalog.
- Monitored application health and resolved production issues across the stack using tools like Grafana, Mixpanel, and Sentry, improving system uptime and reducing issue resolution time by up to 50%.
- Leveraged AWS Cloud services like ECS, RDS, Lambda, Glue, and S3 for scalable deployments and efficient ETL operations.
- Collaborated with DevOps to deploy updates with zero downtime, improving CI/CD efficiency and deployment reliability.

BuildingEase, Inc.

Boston, MA (Remote)

Software Developer Intern

2021 – 2023

- Designed and implemented parts of the Spring backend, mainly REST controller-backing services, as well as parts of the data pipeline and its JPA bindings.
- Designed and implemented ETL systems to process and normalize product and standards data, as well as to scrape data from the web.

Education

University of California, Los Angeles

Los Angeles, CA

B.S. Computer Science and Engineering

2023

Focused on system programming, software design/engineering, programming language theory, machine learning, computer architecture, and computability theory.

Skills

Technical skills: Full-stack development, cloud-based development, system programming, data engineering, reverse engineering

Languages: C++, Java, TypeScript, Python, C, x86_64 Assembly, SQL, Rust, C#

Tools, Frameworks, and Software: AWS Cloud, Spring ecosystem, React, PostgreSQL, MUI, Docker, Node.js, Maven, Vite, CMake, MSVC, Clang

Projects

CommonLibSF – A reverse-engineered C++ library for hacking Starfield

PintOS – Full implementation of a POSIX-compliant operating system (source code available upon request)