

MALIK BAKER

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EDUCATION

B.A. Computer Science, Boston University

Expected May 2024

Relevant Courses: Computer Systems, Data Structures and Algorithms, Software Engineering, Analysis of Algorithms, Analysis of Programming Languages, Distributed Systems

SKILLS

Languages	Python, Javascript, Go, Java, Ocaml, Lua, Bash, PowerShell, HTML, CSS, Latex
Frameworks & Libraries	React, Node.js, Flask, Spring Boot, Next.js, Express, Firebase
Technologies & Tools	Linux, Git, MongoDB, MySQL, PostgreSQL, Docker, Jira, ServiceNow

EXPERIENCE

I.T. Support Specialist

Boston University

Oct 2021 - Present

Boston, MA

- Evaluate thousands of tickets in ServiceNow and collaborate with senior engineers and team leads to ensure efficient operations within the BU Information Services and Technology network.
- Perform troubleshooting such as running diagnostics, hardware evaluation, and data removal on end-of-life Mac and Windows machines to ensure safe termination and disposal of departmental assets.
- Operate imaging servers to bootstrap and deploy hundreds of new machines with Windows or macOS, along with other company standard software.
- Wrote scripts in PowerShell to automate management of network devices such as computers and printers.

Production Engineering Fellow (Meta)

Major League Hacking Fellowship

May 2022 - Aug 2022

Springfield, MO (Remote)

- Engineered a production environment for running a web application using a Virtual Private Server, with a connected MySQL database, and a secure web server - all containerized with Docker.
- Analyzed resource management metrics within several Docker containers through Prometheus monitoring and visualized collected data with Grafana dashboards.
- Automated unit testing and deployment using Bash scripts along with GitHub Actions CI/CD workflows to minimize downtimes by 50% when administering updates.

PROJECTS

dibs! — *React, Firebase, Javascript*

A project led by four students at Boston University with the goal of making affordable furniture more accessible.

MapReduce Implementation — *Go*

Implementation of the MapReduce programming model, representing a fault-tolerant distributed system.

Personal Website — *Next.js, React, JavaScript*

Website created as a simple way for people to learn about my work, my interests and how to contact me.

Developer Portfolio — *Python, Flask, JavaScript*

Sample website designed to showcase my technical skills and projects as an aspiring software developer.

Community Discord Bot — *JavaScript, Node.js, Discord.js*

Discord chat bot performing moderation and administrative tasks in a community server with 1500+ members.

Sched-U-Bowl — *Java, Spring Boot, MongoDB, JavaScript*

User-interactive full-stack web application designed as an efficient and secure reservation system for bowling alleys.