

# MALIK BAKER

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## EDUCATION

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**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

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

## EXPERIENCE

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**I.T. Support Specialist**

Oct 2021 - Present

Boston University

*Boston, MA*

- Evaluate thousands of tickets monthly in ServiceNow and collaborate with senior engineers and team leads to maintain efficient operations within the BU Information Services and Technology network.
- Perform troubleshooting such as running onboard 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 quarterly with Windows or macOS, along with proprietary device management software.
- Engineered PowerShell scripts to automate computer and printer port management on a university-wide network.

**Production Engineering Fellow (Meta)**

May 2022 - Aug 2022

Major League Hacking Fellowship

*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

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**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 chatbot 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.