

# Dwaragesh Sivakumar

(859)-907-5621 | dgsivak@gmail.com | LinkedIn: dwaragesh-sivakumar | GitHub: dgsivak | Website: dwara.dev

## TECHNICAL SKILLS

---

**Languages:** Java, JavaScript, TypeScript, Python, SQL, C/C++, Golang, Ruby, Haskell, PHP, HTML/CSS, & Dart

**Frameworks:** React.js, Node.js, Flutter, Flutter Test, JavaFX, Jest, JUnit, & Mockito

**Certifications:** AWS Certified Cloud Practitioner

**Development Tools:** Git, GHA, Amazon Web Services (EC2, S3, SNS, Redshift), Jenkins, NPM, Postman, Atlassian Suite (JIRA, Confluence), Visual Studio Code, Swagger, SonarQube, Checkmarx, & Apache Maven

## EXPERIENCE

---

### Software Engineer

Feb. 2023 - Present

*Best Buy Inc.*

*Seattle, WA*

- Developed a JWT authentication system that improved user onboarding time by 12%, with less than 10ms latency
- Engineered a new app endpoint by building a data table, entity layer, data access layer for SQL queries, and service layer with batch caching, successfully deploying it across all environments after proper integration testing
- Created interactive dashboards that showcased key campaign metrics, facilitating better decision-making and strategic planning for over 1,500 campaigns with the support of real-time insights for data-driven adjustments

### Software Engineering Intern

Jun. 2022 - Sept. 2022

*Best Buy Inc.*

*Seattle, WA*

- Implemented a dynamic slider component to streamline campaign budget adjustments, increasing ROI by 3.25%
- Developed a progress tracker to expedite campaign creation, improving time-to-market for all campaigns by 7%
- Built a robust CRUD system to promote efficient management and processing of campaigns and ad data by 9%

### Data Analytics Intern

Jun. 2021 – Aug. 2021

*Best Buy Inc.*

*Richfield, MN*

- Populated 28 Data Asset Registry (DAR) templates using Excel, and migrated the files to Google Cloud Platform
- Created a Python Script that compressed DAR sheets and created 28 JSON files respectively to build efficiency
- Deployed repositories from Bitbucket to identify and prevent data vulnerabilities across all JSON files in store

### Cybersecurity Intern

Jun. 2020 – Aug. 2020

*University of Illinois at Chicago*

*Chicago, IL*

- Installed open source e-commerce web applications via Joomla to predict and identify web-based vulnerabilities
- Created PHP scripts to protect sensitive customer data from unauthorized access through reliable validation
- Engineered a Python program that predicted 92% of all injection attacks in a user's data to report to fraud team

### Internet-of-Things Intern

Jun. 2019 – Jul. 2019

*IT Experts System*

*Schaumburg, IL*

- Integrated a decompiled drone with an Arduino circuit to analyze facial and body language for health insights
- Programmed BrainWave controller via Processing to define 4 maneuverable actions, under stable cortisol levels
- Implemented an Android app to stream 30 minutes of live footage of a user using Raspberry Pi Camera module

## EDUCATION

---

### Bachelor of Science in Computer Science, Honors College

Aug. 2019 - Dec. 2022

*University of Illinois at Chicago*

*Chicago, IL*

- **GPA:** 3.68/4.00
- **Relevant Coursework:** DS & Algorithms, Artificial Intelligence, Mobile Development, & Software Engineering

## PROJECTS

---

### National Park Information and Navigation Tool | *Flutter/Dart, Python, Redshift, MongoDB, & API*

- Developed a cross-platform app using Flutter and Dart, leveraging Google Maps API for efficient user navigation
- Managed data of 85 countries with national parks by hosting MongoDB on AWS, expediting data retrieval by 25%
- Enhanced user engagement by 30% by creating real-time weather updates, trip planner, and social media

### F.R.E.D. - First-Aid Responder Emergency Dispatch | *Flutter/Dart, Node.js, SNS, PostgreSQL, & API*

- Created a reporting app to allow shop floor staff to rapidly notify security of incidents, enhancing workplace safety
- Built a backend server that managed notifications and stored data for real-time incident tracking via a floor map
- Facilitated pilot testing with a group of 20 workers to evaluate system performance and safety for future initiatives