

# Dev Agrawal

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## Technical Skills

**Languages :** JavaScript (React, Angular, Express, Nest), C# (.NET Core), Java (Spring), HTML and CSS  
**Enterprise :** Microservices, Domain-Driven Design, Agile and Scrum, CI/CD, Infrastructure Management  
**Cross platform :** Ionic, React Native, Electron, PWA  
**Tools :** Cloud (Heroku, AWS, Azure, Netlify, Cloudflare, Firebase), Database (SQL, MongoDB), DevOps (GitHub, Travis), SysAdmin (Linux, Docker, Nginx, Ansible)

## Educational Qualifications

### BACHELOR'S DEGREE – UNIVERSITY OF CINCINNATI

(August 2018 - Current)

- ▶ BS in **Information Technology, Software Development track** (GPA 3.5)
- ▶ **Minor in Psychology**
- ▶ **University Honors Program**

## Work Experience

### SOFTWARE DEVELOPER (UC IT SOLUTIONS CENTER)

(January 2020 – August 2020, January 2021 - Current)

- ▶ Full-stack development of **enterprise-level systems** used by agencies throughout the country
- ▶ Led the development of the **Ohio Sentencing Data Platform** in collaboration with the **Ohio Supreme Court**
- ▶ Led the work on a **suite of applications** used by **UC Corrections Institute** and **Ohio Department of Youth Services**
- ▶ Assisted with **DevOps engineering, System administration, Monitoring and Client support**

### RESEARCH ASSISTANT (UNIVERSITY OF CINCINNATI)

(September 2018 – December 2019)

- ▶ Worked on a **research project funded by NSF and Mozilla** with a team of professors and masters students
- ▶ Researching the implementation feasibility of **access control, emergency detection and crisis response** using **IoT**

### MOBILE DEVELOPER (CO-OP AT HEALTHYLOVEDONES)

(May 2019 – August 2019)

- ▶ **Created a mobile application** that greatly improved customer engagement

### FREELANCE DEVELOPMENT WORK (HEALTHYLOVEDONES)

(April 2018 – July 2018)

- ▶ **Developed a web application** for the organization (healthylovedones.com)
- ▶ **Worked on the database and backend** of the organization with their technical team

### INTERNSHIP FOR BHARAT VIKAS PARISHAD

(February 2017 – May 2017)

- ▶ **Designed a web application** for **Bharat Vikas Parishad** (Shiva Branch, Varanasi) for the organization's internal use

## Extra-Curricular

### ORGANIZER OF REVOLUTIONUC AND MAKEUC

(September 2019 – Current)

- ▶ Organizer for **UC's largest hackathons**
- ▶ Developing and managing the **hackathon website, server, database, and the various online services**

### PRESIDENT OF IT STUDENT ASSOCIATION

(April 2021 – Current)

- ▶ President for **UC's largest student organization** for IT students
- ▶ Providing **weekly educational and networking opportunities** to enthusiastic students

### EXECUTIVE MEMBER OF ACM@UC

(May 2019 – Current)

- ▶ **Managing and updating** the organization's **website**
- ▶ Plan and record **biweekly tech talks and workshops**

### EXECUTIVE MEMBER OF THE UC ROTARACT CLUB

(October 2018 – October 2021)

- ▶ Hosting **on-campus events** and **off-campus volunteering projects**
- ▶ Collaborating with the **Rotary Club** for **networking and professional development events**

**AVAILABLE SPRING AND SUMMER 2022**

