Dev Agrawal

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Summary

Software Developer with 5 years of experience, aspiring software architect and content creator.

Technical Skills

Languages: JavaScript and TypeScript, **Python** (Django), **C#** (.NET Core), **Java** (Spring), **PHP**, **HTML** and **CSS**

Web: React (Next, Remix, Gatsby)**, Svelte, Vue, Angular, Express, Nest, Socket.io**

Enterprise: Architecture and Design, Microservices, Domain-Driven Design, t

Cross platform: Ionic, **React Native**, **Electron**, **PWA**

Tools: Cloud (Heroku, AWS, Azure, Netlify, Cloudflare, Vercel, Firebase), **Database** (SQL, MongoDB, Redis), **DevOps** (GitHub, Travis), **SysAdmin** (Linux, Docker, Nginx, Ansible)

Project Management: Agile, Scrum, Kanban, CI/CD

Work Experience

SOFTWARE DEVELOPER (UC IT SOLUTIONS CENTER) (Jan 2020 – Aug 2020, Jan 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 **Department of Youth Services**
- Assisted with **DevOps**, **System administration**, **Quality Assurance**, **Monitoring** and **Client support**

RESEARCH ASSISTANT (UNIVERSITY OF CINCINNATI) (Sep 2018 – Dec 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 (HEALTHYLOVEDONES) (May 2019 – Aug 2019)
- **Created a mobile application** that greatly improved customer engagement

FREELANCE DEVELOPMENT WORK (HEALTHYLOVEDONES) (Apr 2018 – Jul 2018)
- **Developed a web application** for the organization

INTERNSHIP FOR BHARAT VIKAS PARISHAD (Feb 2017 – May 2017)
- **Designed a web application** for **Bharat Vikas Parishad** (Shiva Branch, Varanasi) for internal use

Projects

HACKATHON SUITE (Lead Developer)
- Suite of applications to aid hackathon organizing with **marketing, judging, registration, hacker matching** etc.
- Service-based backend leveraging cloud services (AWS, Heroku, Netlify, Cloudflare)
- Frontends built with Jekyll, React, and Angular
- **My contribution** – conceptualized, architected, and developed most of this system

OHIO SENTENCING DATA PLATFORM (Senior Developer)

- Collaboration with the Ohio Supreme Court
- For courts to record and analyze data about criminal sentencing cases
- Custom built engine to generate complex forms with real-time capabilities, analyzable data outputs, and docx exports based on JSON schemas
- Integration with legacy systems to pull data
- **My contribution** – developed most of the system from scratch including the most complex features

DEVTRANET (Senior Developer)

- Networking platform for engineers, investors, entrepreneurs etc.
- Discovering events, posting blogs, showcasing projects, finding jobs, and social media
- Frontend with React and Tailwind, Microservice backend with Next.js (Serverless) and Socket.io
- **My contribution** – architected and developed all of the backend to be modular and optimized for serverless

HEALTHYLOVEDONES (Solo Developer)

- A job portal for caregivers and those in need with built in hiring, communication, and payment system
- Holistic caregiver profiles based on professional and personal skills
- Mobile-ready full stack application built with Meteor
- **My contribution** – developed all of the system

Education

BACHELOR'S DEGREE – UNIVERSITY OF CINCINNATI   (Aug 2018 – May 2023 expected)

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

Extra-Curricular

ORGANIZER OF REVOLUTIONUC AND MAKEUC   (Sep 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   (Apr 2021 – Apr 2022)

- 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 – Apr 2021)

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

EXECUTIVE MEMBER OF THE UC ROTARACT CLUB   (Oct 2018 – Oct 2021)

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

AVAILABLE CO-OP FALL 2022, FULL-TIME MAY 2023