Will Barnard

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SUMMARY

Software developer with three years experience working in tech and a portfolio of hosted full stack web applications. Background in creative technologies, combined with proven skill as a developer, lead to a unique skillset when designing systems and tackling complex problems.

TECHNICAL SKILLS

- **Object-Oriented Programming**: Java
- **Web Development**: Spring Boot, Vue.js, React, HTML, CSS, JavaScript, Electron
- **Database Programming**: JDBC, SQL, PostgreSQL
- **Development tools and techniques**: Agile, JUnit, Git, IntelliJ, Docker

TECHNICAL PROJECTS

Train Tracker - train-tracker.will-barnard.com

- Web application for tracking up to the minute arrival status for trains at any train stop in the Chicago CTA system
- Deployed microservice architecture using Docker
- Developed sophisticated data analytics that model prediction accuracy and aggregate statistics

Kitchen Jam - kitchen-jam.com

- Web app that lets users to log their recipes and upload their own images
- Vue.js, Java/Spring, and PostgreSQL, deployed to home server with Docker and Nginx
- Users track meals they improvise, and then work toward creating their own unique recipes

Virtual Vibes - virtual-vibes.will-barnard.com

- Message board application created with Vue.js, Java/Spring, and PostgreSQL
- Designed a frontend comment threading solution that dynamically organizes user comments from database queries
- Implemented standardized CSS transitions within the Vue.js framework for a modern and sleek appearance

WORK EXPERIENCE

Trala (iOS, Android) | Chicago, IL

Lead Video Editor   Jan '21 - Present

- Created a Java application using JavaFX that automates critical video ingestion workflows
- Developed 100+ hours of video violin lessons by implementing JavaScript and automation within the Adobe Suite
- Cut 40 hours from a labor intensive video translation process by implementing Python I/O scripting in content workflows
- Trained and oversaw 4 contract editors and maintained on-call hours for technical troubleshooting

DePaul University | Chicago, IL

Graduate Assistant   Sep '19 - Jun '20

- Mentored a department of 40 students as an instructional assistant and community manager
- Spearheaded online media alternatives for student performances during the start of the COVID-19 pandemic

EDUCATION

Tech Elevator | Remote

Full-Stack Java Web Application Bootcamp   Oct '23 - Jan '24

Full-stack Java bootcamp designing software systems and solutions with 800+ hours of education and application

DePaul University | Chicago, IL

Masters of Music   Sep '18 - Jun '20

Graduated with Distinction, GPA 3.94. Graduate research explored topics related to Jazz music and the Civil Rights Movement.

Indiana University | Bloomington, IN

Bachelors of Music   Aug '13 - May '17