Navin Kathawa

navinkathawa.com

Email : nkathawa@gmail.com
Mobile : +1-586-604-5773

EDUCATION

- **The University of Michigan** — Ann Arbor, MI
  Computer Science B.S.E. — *09/2014 – 04/2018*

EXPERIENCE

- **Michigan Medicine** — Ann Arbor, MI
  Software Engineer — *09/2023 – Present*
  - **Digital Pathology Workflow**: Design, develop, and maintain a variety of tools, apps, and dashboards using PHP, React, SQL, and Jenkins to improve digital pathology workflow, increasing efficiency of labs and automating manual processes
  - **Internal Tools**: Create, maintain, and improve internal tools to address a variety of team and department needs, including an app for viewing whole slide images, telepathology integration, and slide deidentification. Handled the frontend, backend, and devops for various projects using a variety of languages and technologies including Python, Bash, SQL, and Jenkins

- **Coupa Software, Inc.** — Ann Arbor, MI
  Software Engineer — *01/2023 – 06/2023*
  - **Service Maintenance**: Analyzed and updated the Kafka custom connector, a critical platform component for loading data to and from JDBC-compatible databases. Refactored code using design patterns and recommendations from Sonar, added unit tests to increase coverage from 20% to 80%, and improved documentation all while ensuring functionality was maintained
  - **Bug Fixes**: Addressed bugs to improve the resiliency and maintainability of the ASP.NET Core platform. Worked with both the frontend React and cshtml code and the .NET backend to deliver timely and thorough bug fixes, working closely with QA and product owners in order to ensure correct functionality and stable performance

- **Nutshell, Inc.** — Ann Arbor, MI
  Software Engineer — *05/2022 – 11/2022*
  - **Feature Development**: Developed new features for the CRM, such as multifactor authentication, in PHP, GraphQL, and SQL using Docker, Git, Jenkins, and Visual Studio. Worked closely with the acquiring digital marketing firm to integrate with their customer data and APIs, allowing for customer data to be shared between both companies and for customers to have access to the wide array of tools available from both firms
  - **Escalations**: Effectively handled customer escalations in a timely manner, working closely with stakeholders and the support team to understand and resolve issues. Utilized troubleshooting skills and clear communication, added findings to the tickets in order to keep the team in the loop, and created PRs that addressed the issues with clarity and conciseness

- **Domino's Pizza, LLC** — Ann Arbor, MI
  Site Reliability/DevOps Engineer — *01/2020 – 05/2022*
  - **Kubernetes**: Worked to implement Pivotal Kubernetes Service (PKS) within the environment, which involved cluster buildout, environment configuration, monitoring, Helm chart development, and infrastructure-as-code
  - **JenkinsX**: Built out JenkinsX within the PKS environment using Helm charts and running end-to-end validation scripts for each update to ensure the environment was stable and contained the latest changes, allowing for more rapid development
  - **Java Installation Automation**: Developed a method for seamless and automated Java installation for runtime environments, cutting time spent by SRE resources installing Java on VMs. The change empowered development teams to more easily upgrade the JDK version for their own services, increasing the security and reliability of their applications
  - **General Automation**: Developed Jenkins jobs for automating various manual tasks, working with a technical delivery manager to provide data on potential time savings and error reduction

  Technology Rotation Program — *06/2018 – 12/2019*
  - **Digital Shoulder Surfing**: Working on a lean team as the sole backend developer, used Java, Spring framework, Maven, ActiveMQ and other tools to develop the backend service for a technology which enables in-store employees to see order information ahead of time, allowing them to prepare orders more quickly
  - **Service Health Tool**: Developed a tool to check the health of all services, and to gather relevant data to ensure apps are running with the proper versions, saving time and finding issues by running during releases and datacenter changes. The tool automatically attempted to restart down services, improving the resiliency and maintainability of the environment
  - **Environment Audit Tool**: Created a tool for comparing environment configurations to ensure consistency across CPU, memory, ulimits, opt size, and kernel versions. This provided a first pass to find issues in the environment, saving time and reducing manual effort

SKILLS

- **Programming**: Python, PHP, Java, C++, C#, Bash, SQL, Ansible, Puppet
- **Technologies**: Kubernetes, Docker, Helm, Jenkins, .NET, Linux, Windows, Visual Studio, Git, GraphQL
- **Web Development**: React, HTML, CSS, JavaScript, Angular, pHTML