Brian T. Kenkel

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SKILLS

Programming Languages: Java, C#, Python, Dart, SQL, HTML5, CSS, JavaScript
System Software: Visual Studio, Visual Studio Code, SQL Server, Microsoft Office, GitHub/Git
APIs/Libraries/Frameworks: Flutter, ASP.NET, .NET Core, Selenium

EDUCATION

Bachelor of Science in Information Technology/Software Development — Expected December 2024
University of Cincinnati | Cincinnati, OH

- **GPA:** 3.4/4.0
- **Relevant Coursework:** Comp. Programming I and II (*Java*), Contemporary Programming (*C#*), Database Management I and II (*SQL and SQL Server*), Fund. of Web Development (*HTML5 and CSS*), Mobile Device Programming, Web Server App. Dev, Data Technology Programming (*Python*)

EXPERIENCE

PC Specialist I — July 2024 – Present
Hamilton County Communications Center | Cincinnati, OH

- Provide support and manage complex workstations comprising KVM switches, 3+ computers, and multiple monitors, maintaining around 75 mission-critical computers to ensure 24/7 operational uptime for 911 call-taking and dispatch.
- Automated computer configuration processes using PowerShell scrips, reducing setup time by over 50% and ensuring compliance for 50+ workstation replacements in a high-security environment.

Handyman/Owner — September 2023 – July 2024
Revival Property Improvement | Cincinnati, OH

Software Engineer — August 2023 – September 2023
Overhoff Technology Corporation | Cincinnati, OH

- Streamlined HID programming for radiation detection devices by automating processes with Bash scripts, reducing programming time by over 50% while ensuring reliability and compliance.
- Enhanced codebase reliability and maintainability by adopting Object-Oriented Programming (OOP) principles into legacy code.
- Incorporated GitHub into company workflow, streamlining project collaboration and code management.

Crew Lead/House Painter — June 2019 – August 2023
Sprague Painting | Cincinnati, OH

PROJECTS

PDFChat | Link to Projects

- Developed an application that enhances studying by embedding PDFs (e.g., textbooks, presentations) for focused AI-assisted responses using Retrieval-Augmented Generation (RAG).
- Improves comprehension and retention by enabling the AI to answer questions with both general knowledge and document-specific content, making study sessions more effective.

Automotive Head Unit | Link to Projects

- Manufactured a custom head unit for my vehicle utilizing hardware such as a Raspberry Pi 4, touchscreen, UPS (Uninterrupted Power Source), and more.
- Researched and sourced all hardware ensuring proper integration compatibility.
- Implemented and modified open-source software for head-unit UI and hardware integrations.
- Developed Python script for the RPi4 to toggle video input to the backup camera when car is shifted to reverse.