Mikel Matticoli

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TECHNICAL SKILLS

Code/DB: TypeScript | Python | HTML | CSS | JavaScript | Java | C# | C/C++ | Go | SQL | GraphQL | Mongo | Firebase
Frameworks: React | Flask | Jupyter | Socket.IO | FastAPI | Pytest | Tox | SCSS | Tailwind | Svelte | Jest | Puppeteer
Tools: Docker | Git | Kafka] RabbitMQ | Humio | Grafana | Jenkins | GitHub CI | Perforce | PlasticSCM | Unity | UE5
Infrastructure: On-Premise | Google Cloud | AWS | Azure | Kubernetes | Ansible | nginx | Powershell | bash
Design/Media: Adobe (XD | Photoshop | Premier | AE | Audition) | Figma | Reaper | GIMP | Inkscape | Maya | Fusion360
Project: Agile | Scrum | Client Management | Software Architecture | JIRA | Confluence | Office/G Suite | Miro | Notion
Languages: English (Native) | Spanish (Native) | French (Intermediate) | Cross Discipline Communication

EDUCATION

Master of Science in Interactive Media | Focus Areas: Experience Design, Project Management
Worcester Polytechnic Institute | Aug 2022

Bachelor of Science in Computer Science | Minor in Robotics Engineering, Graduated with High Distinction
Worcester Polytechnic Institute | May 2021

Bachelor of Science in Interactive Media & Game Development | Minor in Media Art, Graduated with High Distinction
Worcester Polytechnic Institute | May 2021

PROFESSIONAL EXPERIENCE

Infrastructure Engineer   Bloomberg LP | Jun 2017 - Present
- Built interactive dashboards, reports, and automation to monitor critical infrastructure and reduce MTTD/MTTR
- Created Flask + React web app template with out-of-the-box support for inner-source CI/CD, Single Sign-On, analytics and routing tools, reducing initial development time for new projects by 40%
- Streamlined on-boarding of new team members and interns by creating docker-based development and deployment workflows
- Independently developed and shared expertise on undocumented open/inner source tools, collaborating with their owners to implement new features/enhancements, improved documentation, and audience-tailored trainings
- Led R&D team in identifying and prototyping VR/AR solutions for common datacenter operations problems
- Conducted datacenter operations, including hardware troubleshooting, infrastructure planning, and system monitoring
- Developed internal web portal+API for monitoring power usage, and python scripts to automate repetitive maintenance tasks

Founding Full Stack + DevOps Engineer (Senior Fellow)   Intentional Design Studio | Sep 2019 - Nov 2022
- Created a zero-cost CI/CD solution using GitHub Actions and Docker, cutting deployment and maintenance time by 80%
- Designed & implemented 6 full-stack web apps and websites to clients, working solo or on teams of 3-6 devs , designers, & artists
- Balanced project management and development work, ensuring on time and in-budget delivery for 100% client satisfaction
- Architected, built, and maintained a high availability production Ubuntu cluster with automated updates and monitoring
- Achieved SEO goals for client websites within two weeks of the website going live
- Set up Perforce server with LDAP and automated depot creation, providing training and tech support to 30+ users

Software Engineering Intern   SelfMade Co | Jun 2016 - Aug 2016
- Implemented Slack integration, canned responses, autocomplete, mobile UI, and bug fixes for an iMessage-like CRM web app

iOS Development Intern   UpSwerve Inc | Jun 2015 - Aug 2015
- Added video capture/sharing features and various bug fixes to Snapchat-like iOS app Camera Club and node.js backend

Freelance IT Technician   Self-Employed | Jul 2012 - Jun 2015
- Provided home office setup and PC troubleshooting/maintenance services for personal and small business devices to local clients
- Successfully carried out software/hardware fixes and upgrades, troubleshooting, performance optimization, and network setup

PROJECTS   *(ASK ME ABOUT…)*

The Call of Karen - Award-winning PC simulator game about a 1950's housewife fighting Cthulhu with 120,000+ downloads on Steam
Holiday Escape - Week-long escape room installation featuring hybrid physical+digital puzzles, designed & constructed by a team of 16
rigsofcolor.com - Project showcase site and online store, achieving key SEO goals in under one week
Hobbies - DIY Arcade Machines, Cooking/Baking, Games (digital and tabletop), Woodworking, Escape Rooms