Lodovico Minnocci

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https://lodovi.co 🌐

I create enterprise solutions using my 25 years of experience in software development, DevOps, security, and IT.

Skills

- Azure Cloud Architecture and Administration
- Azure DevOps Administration and Pipeline Development (CI/CD)
- Application Logging, Monitor, and Tracing
- Establishing SLOs SLIs
- DevSecOps (BOM, Pen Testing, Static Code Analysis)
- SOC2 Compliance
- Software and IT Security
- Software Design
- Managing People

Certifications

- Azure DevOps Expert
- Azure Administration Expert
- Azure Fundamentals
- Azure Administration Associate
- AWS Developer Associate
- AWS Solutions Architect Associate

Experience

DECEMBER 2020 – PRESENT

Systems Architect / Ancera, Branford, CT

Azure administration, development, DevOps, software design, security, and IT software solutions.

- Play an integral part in achieving SOC 2 compliance.
- Design software solutions to move AI workloads to the edge using Docker, Nvidia GPUs, and Ubuntu, resulting in a 700 % improvement in image recognition performance.
- Established SLOs and SLIs
- Manage Azure infrastructure and maintain high Azure Advisor scores in cost, security, reliability, operational excellence, and performance.
- Work with customers to integrate Azure environments (B2B) and design access mechanisms to Azure resources in our subscription.
- Use Azure resources such as App Services, Container Registry, SQL Server, VMs, Storage, Logic Apps, Log Analytics, Monitor, Arc, App Registries, Key Vault, and AD Connect.
- Establish RPO and RTO for critical infrastructure.
- Provide executive management updates on established KPIs.
- Create dozens of alerts that monitor infrastructure and application performance.
- Use DevSecOps practices with Snyk for code, container, and license analysis and Beagle Security for web pen testing.
- Design and develop Azure pipeline, both host and self-hosted.
- Pipeline tasks include code validation, linting, docker container building/pushing, container vulnerability analysis, and continuous deployment.
- Develop and maintain instances of JuypterHub.
- MLOPS – Building and testing TensorFlow applications in Docker on self-hosted agent Linux workstations.
- Create a private container registry in Azure.
- Create a private Python artifact repository in Azure DevOps.
- Implement best practices for code repositories (branching, PRs, and policies).
- Write Docker and Docker Compose files.

- Implement SSO and SCIM for various 3rd party applications.
- Implement KnowBe4 as part of ongoing cybersecurity training. As a result, we have significantly lower click rates than companies of similar size.
- Manage IT infrastructure on-premises. Windows and Linux workstations, backups, NAS, network, and UPS.
- Provision of employee equipment and software licensing.
- Train users on Git and Git flow methodologies.
- Migrate from Bitbucket to Azure DevOps (repos, pipelines, and users).
- Use Sentinel One for threat detection.
- Perform "Tabletop" exercises for various threat scenarios.
- Manage a small team of people who assist me with various administrative tasks.
- Manage reviews and professional development.

JULY 2019 – DECEMBER 2020
Lead Integration Engineer / Subway, Milford, CT
Designed and developed APIs for mobile, web, and B2B. Led an international team of engineers.

- Responsible for integrating with third-party APIs to manage Loyalty points and guests/users used by millions of people daily.
- APIs written in node.js.
- Worked with various cross-functional teams in mobile and web development.
- Tools included AWS serverless hosting, Postman, Swagger, and Node.js.
- Mocking and Unit testing.
- AWS Monitoring.
- CI/CD using Jenkins and Octopus for configuration management.

JULY 2015 – JULY 2019
Principal Software Engineer / Thermo Fisher Scientific (formerly Core Informatics), Branford, CT
Developed platform applications using Java, Docker, Kubernetes, and AWS.
- Developed and supported Laboratory Information Management Systems for various Fortune 500 companies.
- Worked with clients on gathering requirements.
- Used AWS, Java, and Oracle.
- Prototyped containerization, monitoring, and logging on Kubernetes.

JULY 2014 – JULY 2015
Software Developer and DevOps Manager / Core Informatics, Branford, CT
Developed and managed pipelines in Jenkins.

- Developed CI/CD pipelines in Jenkins, Apache, and AWS EC2.
- Managed reviews and professional development.

Currently serving as a technical advisor at Southern Connecticut State University.

Additional experience available upon request.

Education

MS, Computer Science / SCSU, New Haven, CT
BS, Psychology / SCSU, New Haven, CT