

Joe Davey

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Summary

Full-stack software developer specializing in Angular, TypeScript, and .NET applications. Experienced building and maintaining enterprise healthcare systems, automating complex workflows, and deploying services within cloud environments.

Comfortable working across frontend, backend, and automation tooling. Experience operating in secure enterprise environments (Citrix VDI) with strict data privacy requirements.

Technical Skills

- **Frameworks & Platforms:** Angular, React, .NET, Node.js
- **Languages:** TypeScript, JavaScript, C#, Python, SQL
- **Cloud Platforms:** Azure, AWS
- **Automation & Testing:** Playwright, Cypress, Jest, xUnit, Pytest, end-to-end testing
- **Databases:** SQL, T-SQL, Azure SQL
- **Tools:** Git, CI/CD (GitHub Actions, Azure DevOps), Jira, Docker
- **Certifications:** AWS Certified Cloud Practitioner

Professional Experience

Senior Software Developer | 11:59 ([1159.AI](#)) | March 2022 - Present

- Own full-stack development across Angular, .NET, and Azure systems supporting a healthcare application serving 500k+ users
- Modernize legacy Angular systems to improve maintainability and enable continued product development
- Design and implement backend services in C#/.NET supporting secure data exchange in regulated environments
- Write and maintain unit and integration tests to stabilize legacy systems and validate business-critical logic
- Collaborate directly with client stakeholders and participate in technical discussions and solution planning
- Develop within secure Citrix VDI environments supporting strict data privacy and compliance requirements

Selected Engineering Work (11:59)

Automation System (Azure, Node.js, Playwright)

- Built a Node.js + Playwright automation system to identify duplicate medical records across enterprise healthcare systems
- Replaced a manual and RPA-based workflow, reducing operational cost by ~\$300K annually
- Deployed using Azure Container Instances (ACI), integrating with existing enterprise workflows
- Supported operation in Azure, including Azure Functions, CI/CD pipelines, custom logging/diagnostics, and budget monitoring

Enterprise Healthcare Application (Angular, .NET, Azure)

- Develop, maintain, and modernize a large-scale Angular and .NET application, improving maintainability and supporting ongoing feature development across healthcare workflows
- Support full lifecycle of Azure-hosted infrastructure (App Services) across multiple environments, including CI/CD pipelines (GitHub Actions, Azure DevOps), Application Insights monitoring, and Azure Monitor alerting
- Work with Azure SQL and T-SQL to support data-driven features and backend processing, including DACPAC and pipeline-based deployments with automated testing and security scans (Veracode)
- Introduced unit testing practices, increasing coverage from 0% to 85%+ and improving system reliability
- Develop software within secure Citrix VDI environments supporting systems with strict data privacy and regulatory requirements

AWS Testing & Client Collaboration (Python, Step Functions)

- Developed a Python pytest framework to validate AWS Step Functions workflows in an Intelligent Document Processing pipeline
- Enabled automated validation of distributed workflow orchestration and document processing logic
- Collaborated directly with client engineering teams to support adoption of AI-assisted development tools (GitHub Copilot, Amazon Q)