



 American Airlines

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Get started with GitHub Packages

Safely publish packages, store your packages alongside your code, and share your packages privately with your team.



A software platform used for building applications based on containers — small and lightweight execution environments.

[Learn more](#)

Source: <https://github.com/orgs/americanair/packages>



Top Airlines, Airports & Air Services Companies Using Docker

37,187 companies using this technology

By [Docker](#)

Docker is a software container platform. Developers use Docker to eliminate “works on my machine” problems when collaborating on code with co-workers. Operators use Docker to run and manage apps side-by-side in isolated containers to get better compute density. Enterprises use Docker to build agile software delivery pipelines. [Read less](#)

72 ↑

Companies adopted this tech in the last month

94 ↓

Companies dropped this tech in the last month

33.14% ⓘ

The market share of the technology in its category



American Airlines

Employees: 137,400

American Airlines Group Inc., through its subsidiaries, operates as a network air carrier. It provides scheduled air transportation services for passengers and cargo. As of December 31, 2016, the company operated a mainline fleet of 930 aircraft. It ... [Read more](#)

Source: <https://www.zoominfo.com/tech/23717/docker-tech-from-transportation-airline-industry-in-us-by-revenue>



Engineering the American way

Using Containers in Local Development

👋 I'd like to share a little bit of my first few months at [American Airlines](#).

The American engineers and architects (my new friends) all were intrigued to use containers in new ways and looked forward to learning how to consume this tech as part of local development. Generally speaking, application development and application workloads hadn't used a containerized approach at American. This is understandable. [The airline has gone through several years of change with a merger, delivery transformation, a pandemic, and simply running an airline!](#)

[The best way to demo to other engineers is through code.](#) To illustrate the approach, we'll use this blog as an example of [how we do local development and enable both Windows and macOS operating systems](#). As our engineers and architects write content for this blog, update the aesthetics, or add new features, local development using containers will be the documented approach.

Windows and macOS

- [Install Docker](#) - `stable` or `edge` is fine. For the purposes of this write-up, we're using basic features.

Source: <https://tech.aa.com/2020-10-13-containers-local-dev/>

The Makefile ... File?

Let's go through the Makefile for our Tech Blog. At first, our developers run on macOS and we can simplify our approach.

```
.PHONY = all
IMAGE = "local/aa-techblog"
HUGO_VERSION = "0.76.3"

build:
    @docker build -t $(IMAGE) -f docker/Dockerfile . --build

serve: build
    @docker run -it --rm -p 1313:1313 -v $(PWD):/app -w /ap
```

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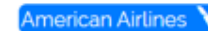
ABOUT

Passionate and innovative professional specializing in application and cloud architecture, software delivery, and team collaboration. Recognized for rapid learning, creative problem-solving, and a track record of implementing successful technical solutions. Extensive experience in leading technical strategies, enhancing efficiency, and driving organizational improvements through innovative approaches.

[Download Resume as PDF](#)

EXPERIENCE

Principal Staff Engineer, Sr Principal Architect - Developer Accelerator Product Group (DevOps/DevEx), Product Agility



March 2023 - Present

Worked in the Product Agility organization supporting the solution, strategy, and planning of technical implementations

- Collaborated with other Architects in Technology and Transformation to provide direction for Developer Accelerator
- Led discussions with Product Technical Leads and Technical Delivery Managers to determine technical strategy and skills required
- Aligned product group strategies with enterprise initiatives and principals
- Assisted engineers in selecting solutions that met business requirements and long-term goals
- Collaborated with neighboring organizations to incorporate **networking design** considerations
- Partnered with Engineering team to streamline redeployment and configuration of major infrastructure, resulting in a **300% increase** in efficiency and enhanced SLAs and KPIs
- Ensured backlog reflected appropriate technical solutions to achieve product objectives and priorities
- Responsible for **finops** practices within an organization where financial savings were established and improvements to budget forecasting were made
- Designed **layered security** solution in partnership with **secrets management** team and platform to ensure security in dynamic environments, including Kubernetes and GitHub actions utilizing **OpenID Connect (OIDC)**
- Implemented secure base images and image scanning protocols for enterprise utilizing **GitHub Actions**, **enhancing security** measures
- Improved Enterprise CI/CD pipelines and actions through collaboration with external teams to ensure success while **reducing time to complete**
- Contributed to open source initiatives through updates, capability enhancements, security fixes, and improvements in Dockerfile security in helm charts and Backstage plugins

Source: <https://karlhaworth.com/>

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Senior .NET Full Stack Developer at American Airlines | ASP.NET | C# | WEB API | ASP.NET CORE | ADO.NET | LINQ | WCF | WPF | ANGULAR | React JS | AZURE | AWS | SQL | PLSQL | Docker | Kubernetes | GIT | Jenkins

Fort Worth, Texas, United States · [Contact Info](#)

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American Airlines

Jawaharlal Nehru Technological University, Kakinada



Senior .Net Full Stack Developer

American Airlines

Oct 2021 - Present · 2 years 11 months

Fort Worth, Texas, United States

As a Senior .NET Full Stack Developer at American Airlines, I lead the development of robust solutions. My responsibilities include crafting Web APIs in Dotnet Core 3.1 and building Angular and MVC applications from scratch. I've established Continuous Integration builds and Deployment pipelines in Azure DevOps and Team. Utilizing Jenkins, Docker, and Kubernetes, I manage microservices deployment. Back-End Testing for data validation using SQL Queries, implementation of JWT Token Authentication, and resolving application issues are integral parts of my role. I contribute to project planning and maintenance using agile methodology, implementing Multi-Threading concepts, and creating reusable components in TypeScript for CRUD operations. I ensure code quality through unit testing and maintain 75% code coverage using Xunit Framework. Source code maintenance is handled using Microsoft Team Foundation Server (TFS) and GitLab, while JIRA is employed for defect management.

Source: <https://in.linkedin.com/in/prudhvi-kumar-rayapati>