

Douglas W. Arcuri

U.S. Citizen | He / Him

Experienced software engineering leader, building generative teams.

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[LinkedIn](#) | [Medium](#) | [Dev.to](#)

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EXPERIENCE

IBM, New York
Software Engineering Manager

2020 - Present
Web / API / Cloud

Working in an agile portfolio delivery environment, focusing on managed profile, expertise, and identity info data services of IBMers in the w3 ecosystem under Digital Workspace Engineering. Accountable for leading engineering teams to develop, deliver, and maintain modern REST and gRPC APIs through distributed systems in a managed infrastructure and front-end products using Vue and React, serving 600k users and tens of million service responses per month.

- Managing two distributed full-stack engineering teams handling profile/expertise digital workspace products (BluePages, CV-Builder, Skills Locator, Unified-Profile API).
- Enable teams to build distributed systems and products using Blue Cloud/IBM Cloud facilities, CouchDB, DB2, Kafka, gRPC, Typescript, NodeJS, Vue.
- Successfully submitted patent proposals to the IBM invention development team (IDT) by running an innovation circle.
- Led modernizing profile services in a multi-team effort launching the new 2021 w3 homepage, increasing NPS, and optimizing the IBMer intranet experience.
- Executed a large microservice migration project from legacy infrastructure using Java/Spring to a new infrastructure using Typescript/NodeJS, coordinating and developing its modern architecture.
- Executed a full-stack migration project from a legacy web app called CV-Wizard with infrastructure using Domino/Lotus Notes to a modern stack using Distributed Typescript/NodeJS system, coordinating with stakeholders and cutting over effectively.
- Increased test coverage and implemented an effective RFC/design document process with the team for service building.
- I effectively created a tuned hiring loop that successfully hired and grew six new engineers.

Dealertrack, New York
Software Engineering Manager

2018 - 2020
API Backend / Cloud

Working in a scaled agile portfolio delivery environment, focusing on online to in-store automotive buying experiences (Digital Retailing as a Service.) Accountable for leading engineering teams to develop, deliver, and maintain modern APIs in AWS, which power the automotive buying experience.

SOCIAL OUTREACH

- Interviewed by [DevJourney Podcast](#)
- Interviewed by [IT Career Energizer](#)

META

- Aptitude to Learn Quickly
- High EQ Leader
- Open Minded and Collaborative
- [Purposeful Reader](#)

PEOPLE

- Engineering Management
- Team Building
- Project Management
- Technology Management
- Communication
- Continuous Improvement
- Interpersonal Relationships
- Intuitiveness
- Facilitation

PRACTICES

- Software Development
- System Architecture
- Agile Methodologies, Scrum
- Software Design
- Design Patterns
- Scalability
- Continuous Integration, Testing
- User Experience
- Software Testing
- Object-Oriented Programming
- Product Management
- Architectural Patterns

TECHNICAL WRITING

- [Post](#) received 188 points on HN
- [Post](#) received 98 points on HN
- [Post](#) received 40 points on HN and starred by Medium editors

- Managing two polyglot (.NET and Python) engineering teams handling API digital retailing products that power financing automobiles.
- Enable teams to build cloud-native APIs using AWS facilities like serverless, DynamoDB, SNS, SQS, and APIConnect.
- Managing a growing colocated team of fourteen Python, .NET, and QA engineers.
- I effectively created a tuned hiring loop that successfully hired and grew five new engineers.
- Successfully navigated, negotiated with the product, and led quarterly plannings.
- Lead code reviews and mentored engineers on engineering disciplines, thereby improving quality.
- Created a psychologically safe environment for engineers and grew two productive teams, promoting two new technical leads.

Viacom (Nickelodeon), New York
Software Engineering Director

2015 - 2018
Native Android / iOS

Working in a scaled agile environment, focusing on Nickelodeon, Nick Jr., and Noggin SVOD and TVE app products on Android. Accountable for software engineering delivery of Android video-on-demand products. Developed nine Android products with 10MM engagement and 99% crash-free users.

- Managing four engineering teams handling US and International Android products.
- Launched Nickelodeon, Noggin, and Nick Jr. television everywhere and video subscription services for preschoolers on Android.

Acision, New York
Lead Software Engineer

2014 - 2015
Native Android

Built and launched MVP of FuseMe, a WebRTC app for Android.

HBO (Home Box Office), New York
Lead Software Engineer

2011 - 2014
Native Android / iOS

Built and launched HBO GO/MAX GO/Chromecast Android and iOS.

Hachette Filipacchi Media, New York
Senior Software Engineer

2010 - 2011
Native iOS

Built and launched Faith and Action and WW Cooking for iOS.

JPC, LLC, New York
Solution Engineer

2005 - 2010
PHP / C# / Native iOS

Built and launched various websites, tools, and iOS apps.

EDUCATION

Farmingdale State College, New York

Bachelor of Science CIS & Programming

LANGUAGES

- Java
- JavaScript
- Python
- Kotlin
- Swift
- Objective-C
- C#
- Bash

TECH STACKS

- Native App Dev (iOS/Android)
- AWS, DynamoDB, SQS, Serverless
- ASP.NET, MSMQ, Oracle
- LAMP (Linux, Apache, MySQL, PHP)
- NodeJS, TypeScript, Vue, CouchDB

SPECIALIZATION

- Mobile Applications
- Android & iOS Development
- Mobile Devices
- Digital Media
- Streaming Media
- E-commerce
- User Experience Design
- DevOps
- Distributed Systems
- Front-end Development
- RESTful Architecture
- GraphQL
- Microservices

TOOLCHAINS

- VSCode, PyCharm, Sublime, Vim
- Git, GitHub, Bitbucket
- JIRA, Rally, Trello, YouTrack
- Splunk, New Relic, Datadog
- Slack, Teams, HipChat, Webex, BlueJeans
- PyCharm, VSCode, IntelliJ, XCode
- Docker, Kubernetes, Gradle
- Office 365, OneDrive, Box, G.Drive
- XMatters, PagerDuty
- Workday, ServiceNow, Workforce
- LucidChart, Mural, Miro
- WhiteSource, Veracode
- SonarQube, Jenkins, Artifactory
- Figma, Sketch, Zeplin, InVision
- Usabilla, HelpShift
- Postman, Newman