

# ***BUILDING SERVERLESS SOLUTIONS***



# Workshop Introduction

# Who is Chad Green?

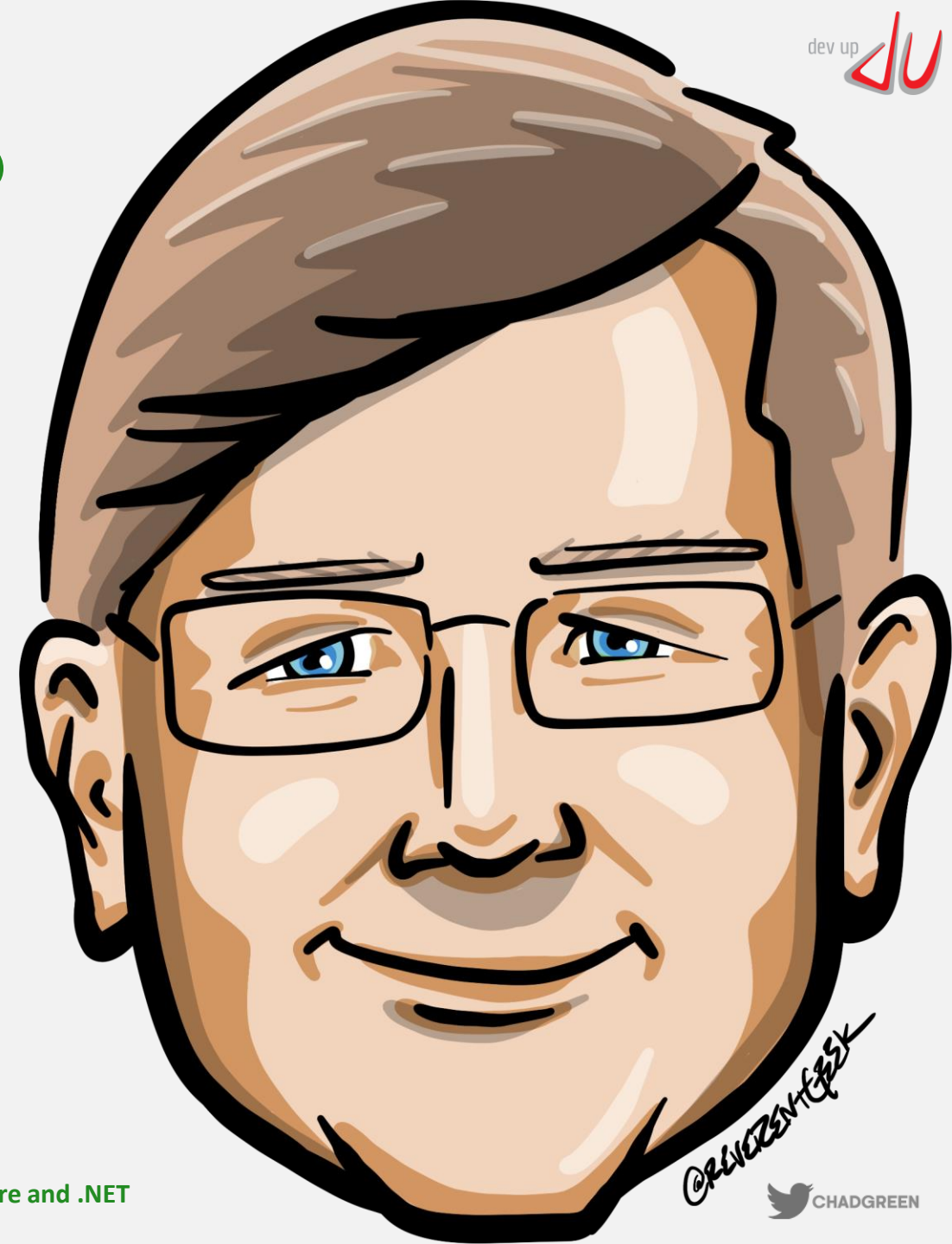
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CHADGREEN



# Workshop Overview



# Agenda

- Introduction (5 minutes)
  - Welcome and Overview

# Agenda

- Introduction (5 minutes)
- Prologue (1 hour 30 minutes)
  - Introduction to Microservices
  - Introduction to Event-Driven Architecture
  - Introduction to Serverless
  - Overview of Azure Serverless

# Agenda

- Introduction (5 minutes)
- Prologue (1 hour 30 minutes)
- Break (15 minutes)
- Serverless Design Patterns (40 minutes)

# Agenda

- Introduction (5 minutes)
- Prologue (1 hour 30 minutes)
- Break (15 minutes)
- Serverless Design Patterns (40 minutes)
- Business Scenario (30 minutes)



# Agenda

- Introduction
  - Prologue
  - Break (15)
  - Serverless
  - Business
  - Hands-On
- Hands-On Labs**
  - Initialize Environment
  - Get Next Core
  - Mock Production Schedule Endpoint
  - Get Next Core Handler
  - Inventory Manager
  - Send Messages to Service Bus from API Management
  - Order Next Core
  - Core in Transit
  - Notification Manager

# Agenda

- Introduction (5 minutes)
- Prologue (1 hour 30 minutes)
- Break (15 minutes)
- Serverless Design Patterns (40 minutes)
- Business Scenario (30 minutes)
- Hands-On Labs (3 hours)
- Additional Topics (45 minutes)
  - Serverless Security Best Practices
  - Monitoring and Troubleshoot Serverless Applications
  - Scaling and Performance Optimization

# Agenda

- Introduction (5 minutes)
- Prologue (1 hour 30 minutes)
- Break (15 minutes)
- Serverless Design Patterns (40 minutes)
- Business Scenario (30 minutes)
- Hands-On Labs (3 hours)
- Additional Topics (45 minutes)
- Wrap-Up and Q&A (15 minutes)
  - Recap of the day
  - Open discussion and Q&A

# Schedule

Segment	Duration	Start Time	End Time
Introduction	5 minutes	8:30	8:35
Prologue	1 hour 30 minutes	8:35	10:05
Morning Break	15 minutes	10:05	10:20
Serverless Design Patterns	40 minutes	10:20	11:00
Business Scenario	30 minutes	11:00	11:30
Initialize Lab Environment	30 minutes	11:30	12:00
Lunch	1 hour	12:00	13:00
Hands-On Lab	2 hours 30 minutes	13:00	15:30
Additional Topics	45 minutes	15:30	16:15
Wrap-Up and Q&A	15 minutes	16:15	16:30

# Code of Conduct

- Respect and Inclusion
- Professional Behavior
- Confidentiality
- Collaborating and Listening
- Conflict Resolution
- Compliance with Laws and Policies
- Safety and Well-Being
- Feedback and Improvement

# PROLOGUE



Building Serverless Solutions  
with Azure and .NET