

#### CONF42 DEVOPS 2023 • JANUARY 26 • ONLINE

### Humana DevOps Journey The Road Less Traveled

ANDREW FOSTER DIRECTOR - DEVOPS ENGINEERING @ HUMANA, INC.

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### Rupesh Kumar Principal DevOps Engineer

Rupesh has more than 20 years of Information Technology (IT) experience in managing Enterprise level DevOps initiatives in the federal and commercial sectors.



## Andrew Foster

#### Director, DevOps Engineering

Andrew joined Humana in 2011 holding multiple technical and leadership roles. Most recently he has lead DevOps adoption and transformation for the Enterprise.



Human care means going beyond the expected, every day.

# Humana



**DevOps Mission:** To give engineers the most compelling development experience possible.

### Humana Values Inspire DevOps Transformation



#### Cultivate uniqueness

Appreciate individual uniqueness, creating an environment where everyone can fully be themselves, reflecting all of us and the communities we serve.



#### **Rethink routine**

Work and learn together, transforming the norm to strengthen operational excellence and outcomes.



#### Inspire health

Care for the whole person – emotionally, physically, and spiritually, building inspired communities where health and wellbeing prosper.



#### Thrive together

Collaborate openly, building positive relationships to achieve strong, sustainable results for us and the people we serve.



#### **Pioneer simplicity**

Take personal accountability, working together to create simple, personalized, quality experiences.

### Humana DevOps Model

and improvement.





### How to "Do DevOps" at Enterprise Scale

Organizational alignment, engineer first platforms, and pipeline automation equals DevOps success



#### Alignment + Feedback

- Alignment across the IT Organization has accelerated adoption of key capabilities.
- Tight feedback loops with engineers & leaders keeps us focused on features that add the most value.

### Engineer Focused Platforms & Tools

- We can speed up software delivery by giving engineers modern & integrated platforms.
- Enabling engineers to stay inside those platforms as much as possible.

### Automated SDLC + Smaller Releases

- Codifying Humana's SDLC, streamlining it w/ VSM, & baking process checks into DevOps pipelines.
- One Component → One Repo →
  One Pipeline drives us towards smaller more iterative releases.

### Greenlight API (GLAPI)

Enabling SDLC Process Automation and Controls via Pipelines





#### Humana Developer Experience | Open Systems

#### High Control High Performance Engineering

### What results have we realized so far?

Helping Humana's developers become more productive leads to more value for our members

**56%** 

improvement in automation over existing manual release processes\*



improvement in overall process, wait, and lead time over existing manual release processes\*



**of eligible releases using DevOps pipelines**, month over month, to release software to production

## Thank you

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