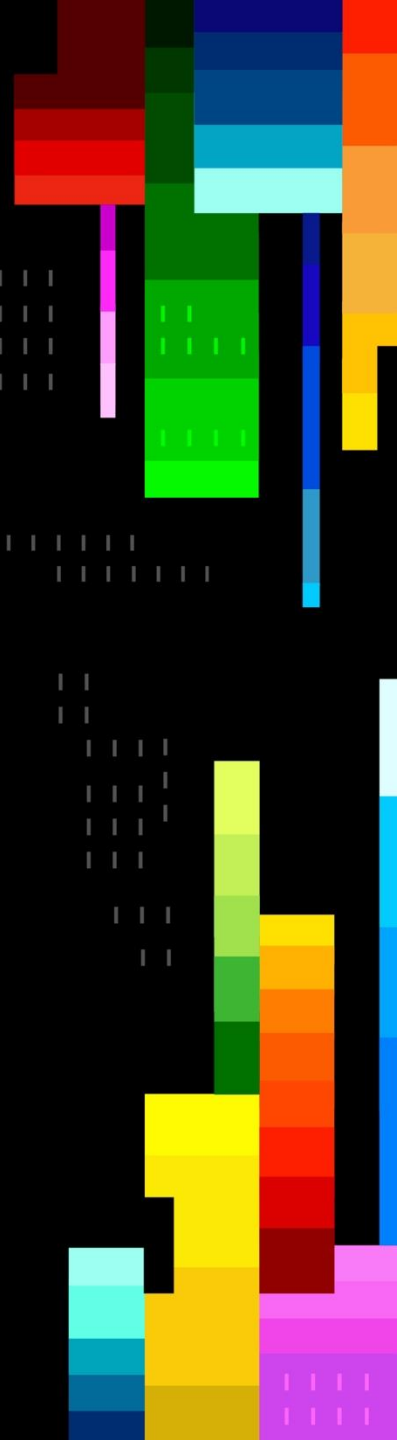


MICROSOFT BUILD

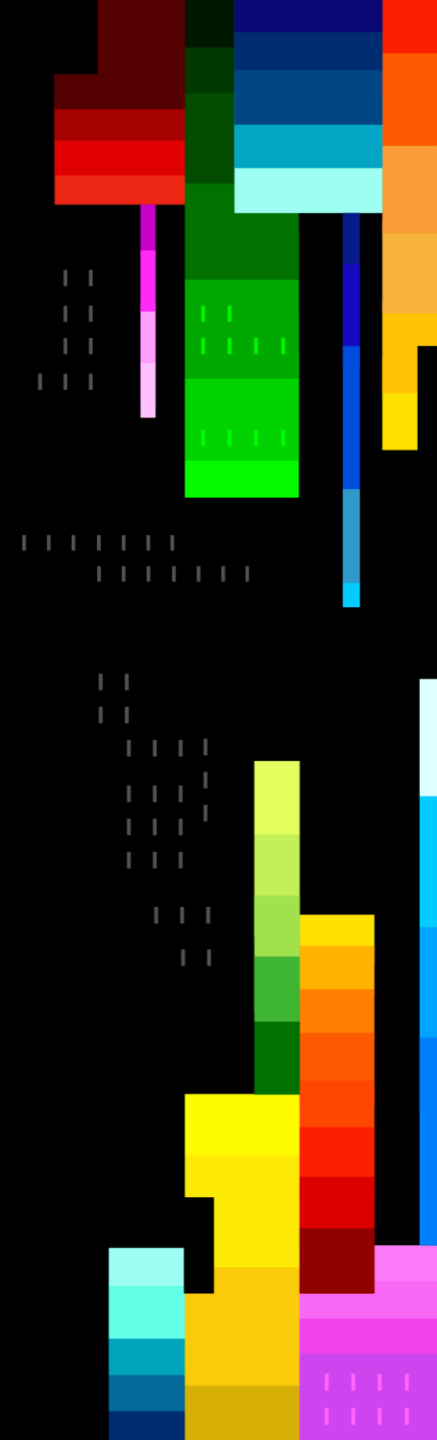




Beyond the Basics: What GitHub Can Do Today

Scott Sauber

Director of Engineering
Lean TECHniques Inc



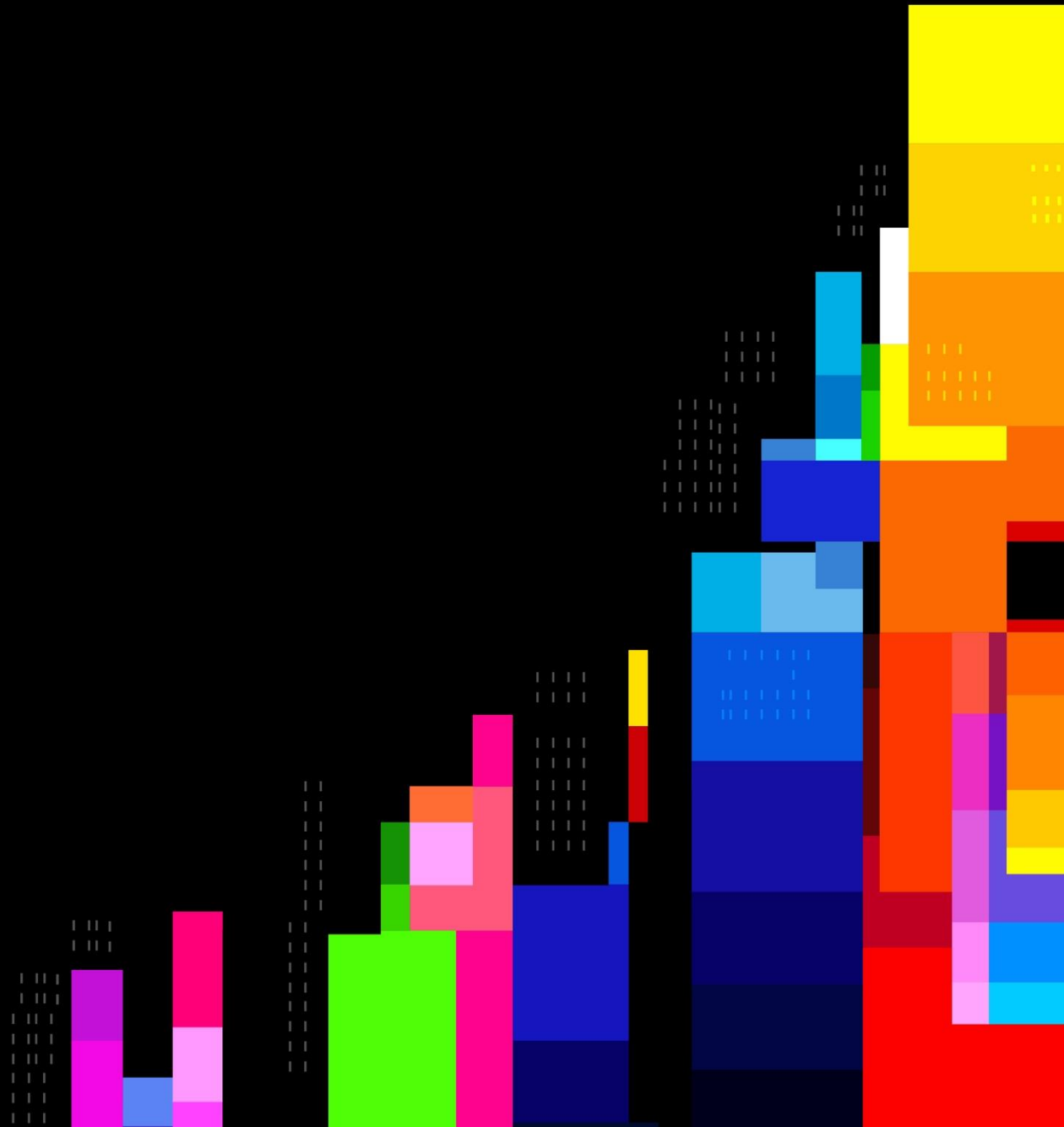
Agenda

- Series of Lightning Talks
- GitHub Code Collaboration
 - GitHub.dev web editor
 - Optimal GitHub Settings
 - Federated Credentials to deploy to Azure
 - Ask GitHub about your codebases
 - GitHub Projects
- GitHub Actions + Agents
 - Run scheduled jobs
 - Reusing workflows
 - Path filters
 - Use Copilot to optimize your workflow's run time
 - GitHub Agentic Workflows

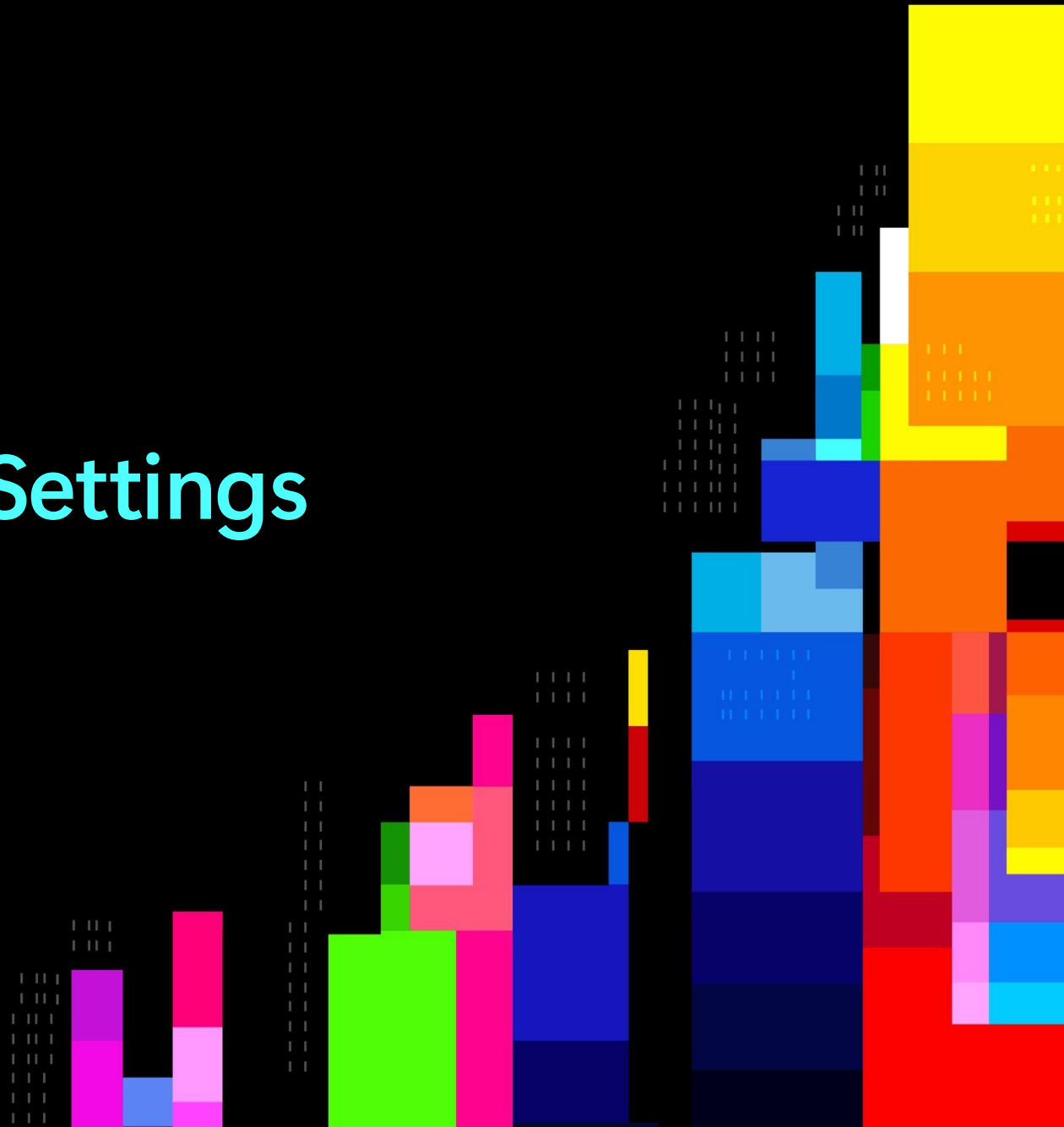


GitHub Code Collaboration Tips

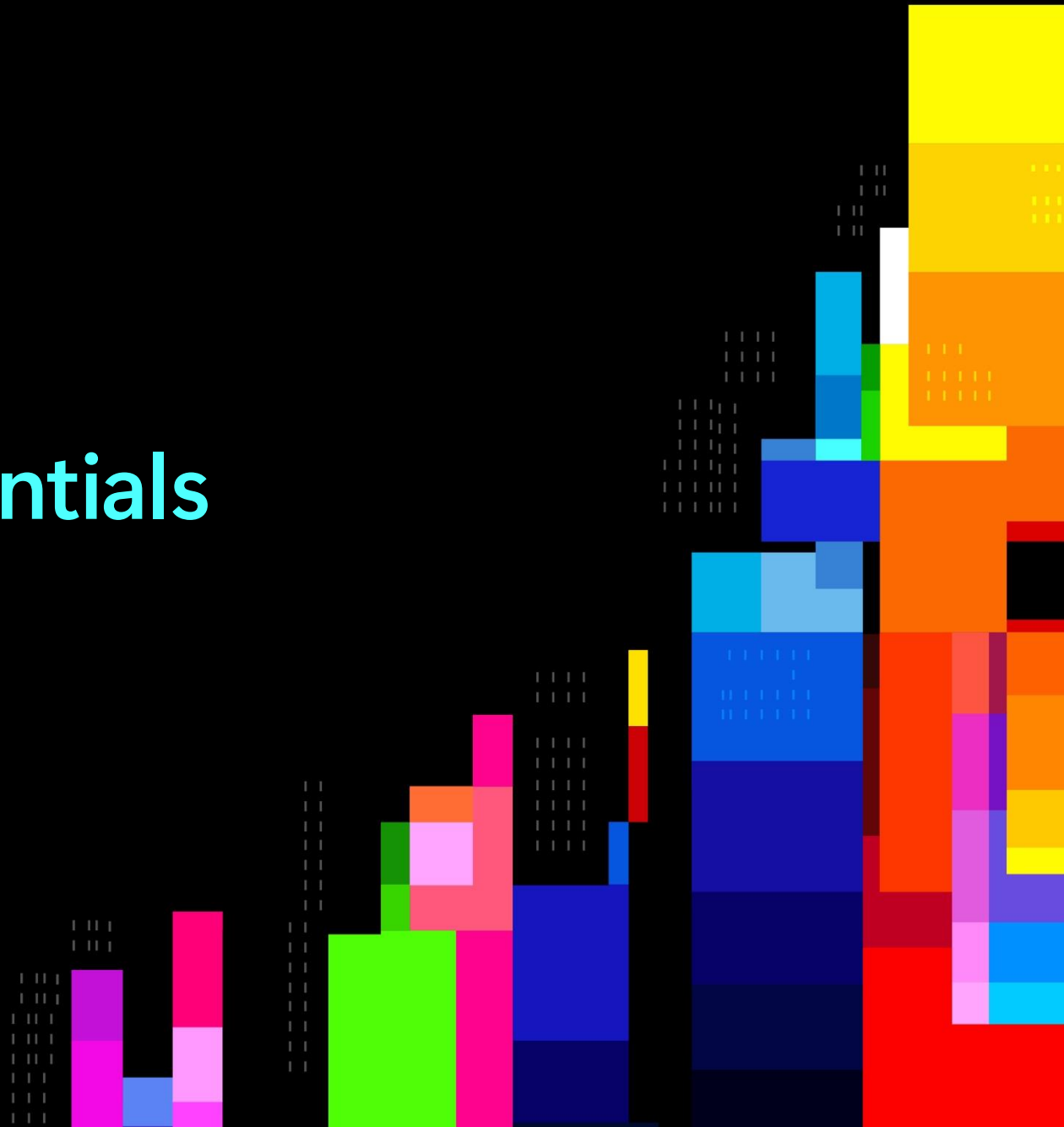
Demo – GitHub.dev



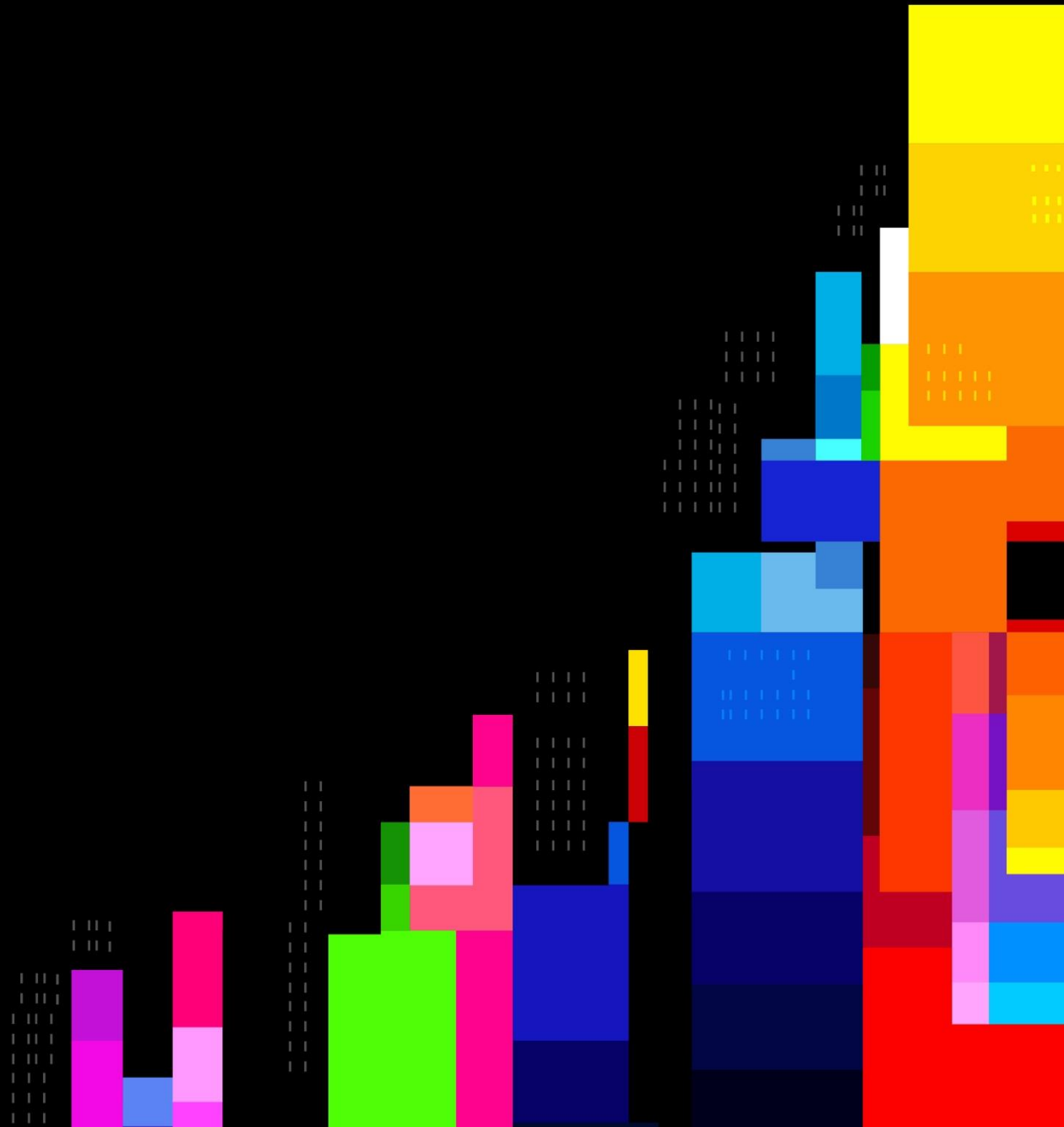
Demo – Optimal GitHub Settings



Demo – Federated Credentials

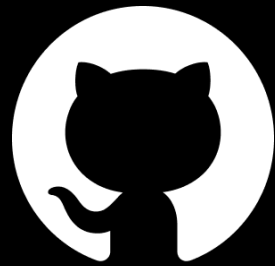


Demo – Ask GitHub



Demo – GitHub Projects





GitHub Actions/Agents Tips

Run Scheduled Jobs

scheduled-job.yml

on:

schedule:

- cron: "0 * * * *" # runs every hour

Reusable Workflows

```
# in reusable workflow
```

```
on:
```

```
  workflow_call:  
    inputs:  
      environment:  
        required: true  
        type: string
```

```
# in consuming workflow
```

```
jobs:
```

```
  deploy_dev:
```

```
    uses: my-org/shared-workflows/.github/workflows/deploy.yml@main  
    with:  
      environment: dev
```

Path Filters

```
pr.yml
```

```
# only run this workflow, if these paths changed
```

```
on:
```

```
  pull_request:
```

```
    paths:
```

```
      - "terraform/**"
```

```
# don't run this workflow, if these paths changed
```

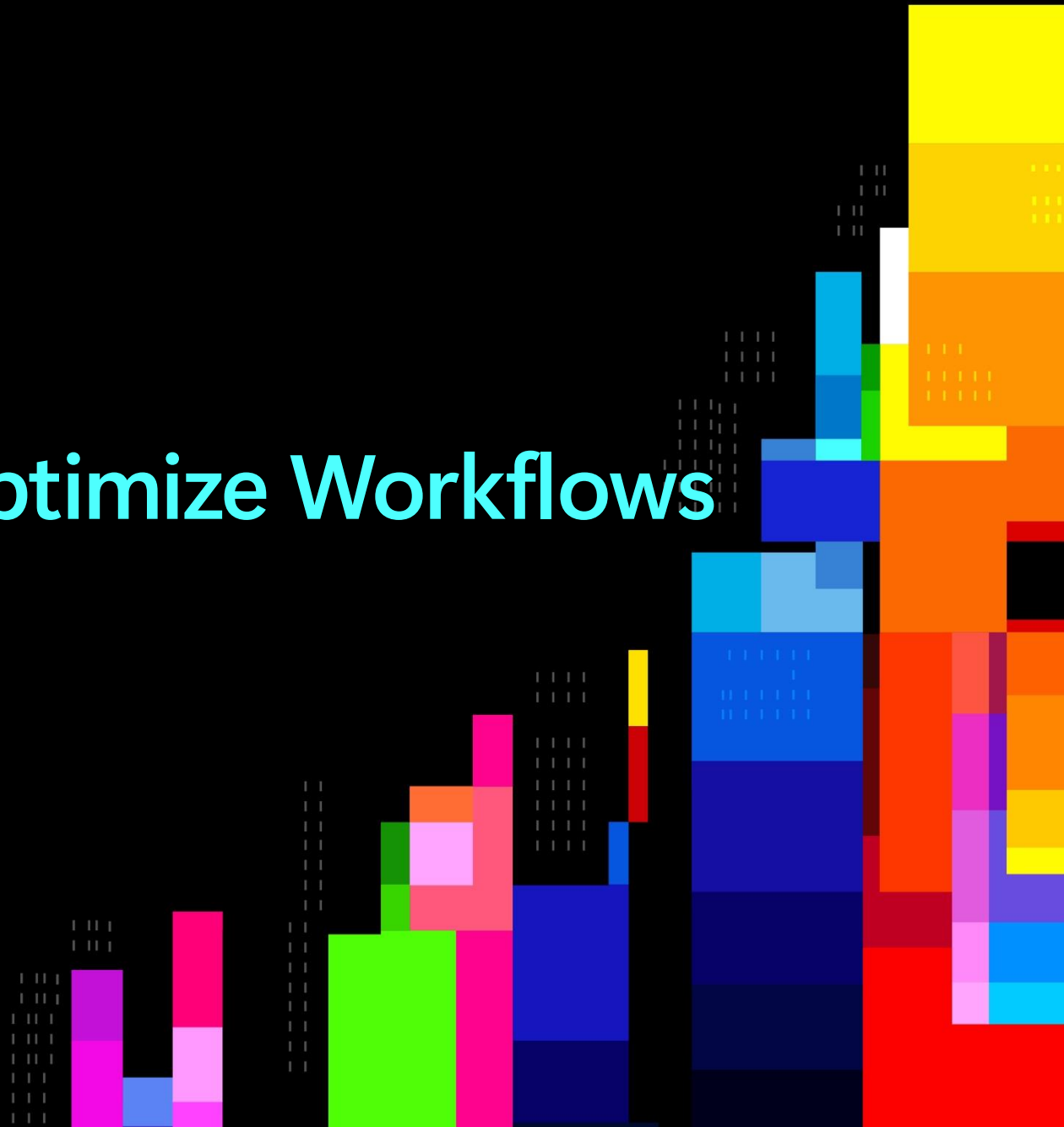
```
on:
```

```
  pull_request:
```

```
    paths-ignore:
```

```
      - "**/*.md"
```

Demo – Use Copilot to optimize Workflows



Demo – GitHub Agentic Workflows

How many people have up to date docs?



Takeaways

Hopefully you learned at least one thing GitHub today

Thanks!

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Add me on LinkedIn:

