Azure cloud for the web frontend developers

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How Azure empowers every frontend developer and team on the planet to achieve more

I'm Maxim Salnikov

Developer Engagement Lead at Microsoft

- Build on web platform since 90s
- Organize developer communities and technical conferences
- Speak, train, blog, and...

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...produce and mix some beats

- Built a tool for the real-time BPM count
- Works in any browser on any platform
- No backend, just a static web app
- PWA: installable, offline-ready

`http://localhost:3000`

What's next?

Share it with the global community

Add some extra features

Still focus on the **frontend** development

What do frontend developers want from the cloud

Hosting

- Fast & reliable
- Geo-distributed
- SPA-, SSR-ready
- Custom domains
- Free SSL certificate

Deployment

- Fully automated
- Staging environments
- No DevOps skills needed

Feature helpers

- Serverless API
- Provider-based authentication
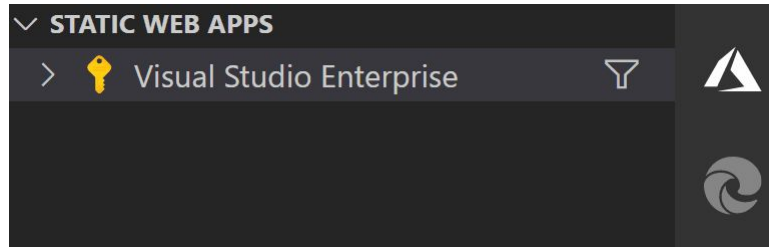- Role-based access control
- Tools for the local development

Generous **free** tier

Azure Static Web Apps

How to start?

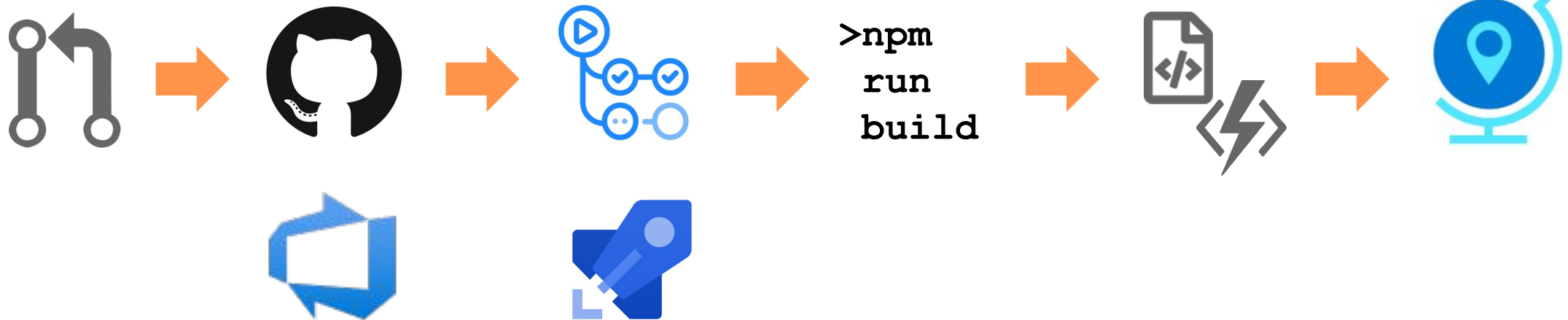## VS Code Extension

– or
–

Azure Portal

1. Point to the code repository
2. Confirm configuration
3. Three, two, one…
4. App is online

How to deploy a new version?

1. Code and push to the repo

How to develop locally?
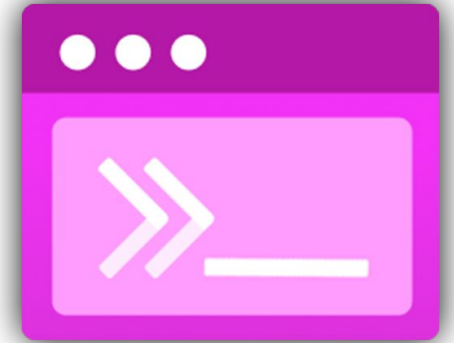
Azure Static Web Apps CLI

- Web server with the configuration file support
- Emulating authentication and authorization
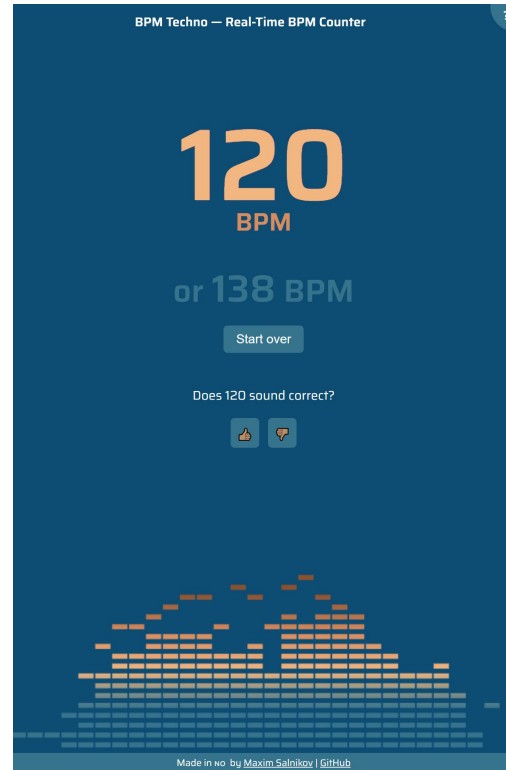- Serving or proxying to API requests

```
npm install -g @azure/static-web-apps-cli

swa start [app dist folder or url] \
--run "[command to start dev server]" \
--api [functions folder or url]
```

Start full dev environment for React

```
swa start http://localhost:3000 --run "npm start" --api ./api
```

Demo time!

How to continue learning?

aka.ms/swa-learning

Step-by-step learning paths on deploying and configuring your apps in Azure Static Web Apps

aka.ms/swa-docs

Detailed documentation, how-to guides

aka.ms/swa-demo

Real-world React application example with the API, routes, authentication

Thank you!

Let's stay connected

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