



THEME:

**Digital Public Infrastructure:
Laying the Foundations for
Somalia's Digital Future**



Welcome to the Software Development Track



- Congratulations on being chosen from a large pool of applicants.
- Over the upcoming sessions, we'll dive into building, deploying, and scaling modern web applications.
- We're excited to have you here—let's get started!



Workshop Facilitators



- Mohamed A. Abdisamad – NIRA, Track Lead
- Eng. Bashir Ahmed Mohamud, Software Developer, Tabaarak ICT Solutions
- Abdulshakur Ahmed, CTO, SPS, Facilitator
- Eng. Hassan Omar Mohamed, MERN Stack Developer, SIU
- Eng. Mohamed Abdirahman Ahmed, Software Developer, Tabaarak ICT Solutions
- Abdihakim Mohamed, SomaliREN



Introduction



- This software development track covers advanced concepts for building and deploying applications with React, Node.js, and Express, including production deployment using a CI/CD pipeline.
- **Whats included in the track?**
 - Develop React frontends
 - Build RESTful APIs with Express
 - Store data using MongoDB
 - Containerize with Docker
 - Deploy via GitHub Actions
 - Explore Nginx, Let's Encrypt, firewalls, SSH, and more



How about you....?



- Introduce yourself:
- Name
- Which field best describes your work: Frontend, Backend, Full-stack, or DevOps?
- How many languages do you speak?
- What's your favorite language?





How do you stay up-to-date with new technologies?



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- **Syntax.fm** – HTML, CSS, React, Node.js, TypeScript, GraphQL, and more
- **TalkPythonToMe** – Python developers
- **GoTime** – Go developers
- **Inside Java** – Java developers
- **Software Newsletters** – Stay up-to-date with industry trends



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What are your expectations for this track?





Thank
You!