



computing for everyone

# Background

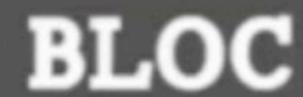
- Learned programming at a young age
- Saw a huge step back in university where I had to write code on paper and hours spent setting up machines for coding
- Started dreaming up an environment to learn, practice, share, and collaborate on programs on the go

# Web Coding Tech

- Built the first open source web coding tech
- Featured in conferences, talks, and news
- Used by many startups for online coding:

codecademy

U  
UDACITY

BLOC

# My work at Codecademy

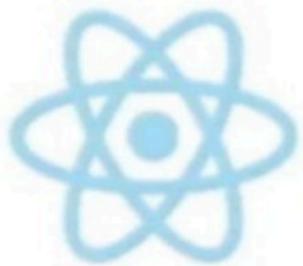
- Joined the company as the first engineer
- Lead product engineering
- Built code execution and front-end infrastructure

The new product is based on work done by Codecademy's first new hire, Amjad Masad, a Jordanian whose open source work was already powering a big part of Codecademy. The aim is to get people writing and sharing programs without the hurdles of downloading software and learning to work in an IDE.

source: [Observer](#)

# My work at Facebook

- Same problem different angle
- Lead JavaScript Infrastructure
- Worked on projects like React Native and Babel



*BABEL*

# Team



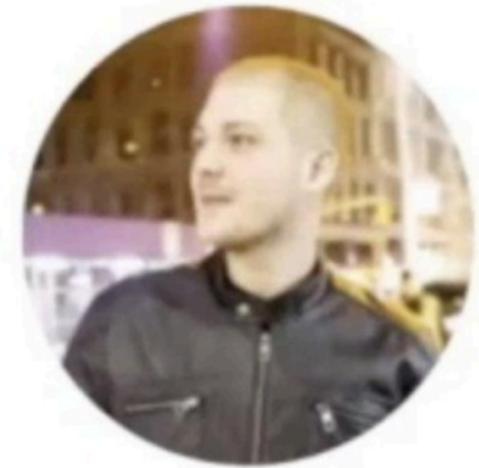
Faris Masad

He's been building software and collaborating with Amjad since childhood. He's also an early React.js adopter and on the bleeding edge of frontend engineering.



Haya Odeh

Full-stack designer. Previously, lead internationalization projects at Organic and the Clinton Foundation. Recently, she's been focusing on product design. Consulted at early stage startups and working on repl.it.



Amjad Masad

Was the first engineer at Codecademy, and then moved to Facebook where he lead the JavaScript Infrastructure team and helped build projects like React Native and Babel.js

# Mission

- Democratize CS education and help make it a fundamental subject
- Blur the distinction between learning and building
- Make building and shipping basic software as easy as blogging is today

# Thesis

- Computing and computational thinking is a fundamental skill in this century
- Developers and learners often start from the same place
- There is currently no incremental path from user to programmer
- Contrived learning environments are not helping anyone learn
- The capacity of modern computers is much bigger than the expressivity of our tools
- Despite all the excitement in CS education, teachers are largely underserved

# Master Plan

- Growth by building tools for and signing up teachers and students
- Build a simple, network and AI assisted interface that blurs the distinction between learning and building
- Evolve into a platform where people come to learn, build, explore, and host applications

# Product & Traction

- [repl.it](https://repl.it) the best way to run, save, and share code on the web
- 100K+ monthly active users (all organic, 60% returning, 13 minutes on site)
- 70% students, 5% Teachers
- 7 million programs ran our servers last month

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search for language

▼ Popular

**Python3:** A dynamic language emphasizing readability.

**Ruby:** A natural dynamic object-oriented language.

**JavaScript:** The de facto language of the Web.

**Scheme:** An elegant dynamic dialect of Lisp.

**C#:** A Microsoft .NET programming language

**Java:** A concurrent, class-based, statically typed object-oriented language.

**Nodejs:** evented I/O for v8 javascript