

# Maxwell O'Roark

## Software Engineer

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### Skills

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### Experience

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#### Maxwell O'Roark

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San Antonio, TX 78212

970-361-8162  
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**Frontend:** ES6, Typescript, React, Redux, Next.js, MapboxGL, DeckGL, Tailwind  
**Backend:** Python, Node, API design, Express, Django, AWS/ GCP Serverless, Terraform, Github Actions, SQL & NoSQL databases

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#### BlueSky Resources / Senior Software Engineer

JUNE 2020 - PRESENT, REMOTE

First engineer hired. Developed commercial web application, Airlogic, within a year of joining and signed six-figure recurring subscription with fortune 500 company. Developed full-stack web application to help users better understand their emissions profile. Built sophisticated geospatial visualizations paired with intuitive but unique controls and interfaces. Managed contract developers and designers; coordinating and synthesizing their work into sprints and ultimately releases.

#### DigitalGlobe / Staff Software Engineer

MAY 2018 - FEBRUARY 2021, REMOTE

Designed, prototyped, implemented, deployed, and maintained many enterprise applications, both pragmatic and imaginative, from conception to launch. Core contributor to the software that powers Maxar's ARD imagery offering. Developed a user interface enabling discovery of the ARD imagery catalog in meaningful ways. For instance, visualizing stack depth and data density over a given area of interest which is a common requirement for generating robust ML-derived models.

#### DigitalGlobe/ Software Engineer

MAY 2017 - MAY 2018, Westminster CO

We built an internal tool that turned out to be very similar to Mapbox's Tiling Service. Core contributor to the python API that wrapped tippecanoe. Lead frontend effort on an internal application that visualized and consumed these hosted vector tilesets and allowed users to perform discovery on their catalog of hosted tilesets.

#### DigitalGlobe/ Associate Software Engineer

MAY 2016- MAY 2017, Westminster CO

Helped build an administrative portal for creating crowd-sourced campaigns hosted on tomnod.com. At the time, Tomnod was an innovative web application that allowed users from all over the world to collaborate on finding and solving problems by visualizing small chips of high resolution imagery and asking the user to answer questions about what they saw in those chips.

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**Education**

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**University of Colorado at Boulder / English Literature**  
MAY 2009 - MAY 2013

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**Awards**

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**1st Place AWS GameDay**  
NOV 2019