

# Bradley Bossard

Polyglot software engineer with over 15 years of experience

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## Experience

### Senior Software Engineer - [moovel](#) - 2017 - Present

moovel develops whitelabel mobile ticketing solutions for transit agencies.

- Microservice development with Node JS, Go, Docker, Kubernetes and AWS.

### Lead Fullstack Developer - [Aniden Interactive](#) - 2012 - 2016

Aniden is a digital interactive agency serving several large clients including HP, Dell, Yahoo and Logitech.

- [Yahoo Doodle](#) - Python / Javascript pipeline for Yahoo Doodle project.
- [Race For The Stars](#) - Unity VR game and MEAN stack webapp scoreboard.
- [Finish Drawing](#) - MEAN stack webapp for drawing and navigating drawing gallery.
- [History Of Baker Hughes](#) - Interactive tabletop project, built using Javascript / HTML5.

### Senior Software Engineer - [Google](#) - 2007 - 2012

While at Google, I have namely worked in digital mapping technologies, and have been involved in...

- Google Earth 3D Buildings - C++ automated generation of 3D buildings from raw sensor data.
- *Google Building Maker* - C++ image processing and serving pipeline aerial imagery.
- *Wapner* - Internal Django webapp for scoring 3D content. [Patent](#) issued for work on this project
- [Google Street View](#) - Javascript / Flash code for Google Street View frontend and Google Maps.
- [Specialty Pegmen](#) - 3D modeling and production pipeline for authoring over 20 Street View "specialty Pegman".



- [Google Doodle Gallery](#) - Django webapp for viewing Google Doodles.
- [Google Doodles](#) - Authored and launched Google Doodles using raw Javascript / HTML / CSS for optimal code. Doodles I authored include the following links below.



## **Experience cont.**

### **Systems Engineer - Urban Scan - 2005 - 2007**

Urban Scan was a start-up focused on automated 3D model generation for urban environments. Acquired by Google and scaled for Google Earth

- Wrote C++ real-time acquisition sensor platform composed of cameras, GPS, and laser scanners.
- Design and manufacture of custom data collection hardware
- Research and purchasing of all hardware used by the company.
- Point of contact for DARPA project integrators

## **Consulting**

### **CTO - DentalEMR - 2015**

Cloud-based electronic medical records webapp

- Architected and developed Django/Angular application hosted on AWS
- Interviewed and hired additional team members.
- Agile project management and sprint planning, acting SCRUM master

## **Education**

**MSECE, Electrical and Computer Engineering - University of Iowa - 2001-2003**

**BSEE, Electrical Engineering - University of Iowa - 1998-2001**

## **Patents and Publications**

**Evaluating Three-Dimensional Geographical Environments Using A Divided Bounding Area**

**Generation of Real-Time Synthetic Environment Using a Mobile Sensor Platform**