

Bradley Bossard

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Experience

Senior Fullstack Engineer @ UrbanFootprint *1/2020–present*

Urban intelligence SAAS platform for analyzing urban development scenarios.

- Data rich [react/redux](#) frontend with [typescript](#). Tested via mocha/chai, [applitools](#) and [percy](#)
- Backend development with Python, Flask, sqlalchemy, Postgres, and pytest.
- Geospatial processing ala fiona, shapely, proj, svgwrite
- Agile methodology with JIRA, sprint planning, staging and retros. Full remote position and team.

Senior Software Engineer @ moovel *1/2017–1/2020*

Mobile ticketing solutions for public transit agencies.

- Micro services development with Node, Go, Python, Docker, Kubernetes and AWS
- API design and implementaton with REST and GraphQL
- Database experience with MySQL and PostgreSQL
- Agile methodology with JIRA, sprints and CI/CD code promotion process

Lead Fullstack Developer @ Aniden (defunct) *2012–2016*

Digital interactive agency serving large clients including HP, Dell, Yahoo and Logitech.

- Remote team member with proven ability to communicate well via Slack and video
- Large variety of projects with technologies ranging from Flash, PHP, Javascript, jQuery, Angular & React
- Fast paced environment required ramping up on new technologies quickly

Senior Software Engineer @ Google *2007–2012*

Internet search company.

- Google Earth 3D Buildings - C++ automated generation of 3D buildings from raw sensor data
- *Building Maker* - C++ image processing and serving pipeline aerial imagery
- *Wapner* - [Patented](#) internal Django webapp for scoring 3D content.
- [Street View](#) - Frontend Javascript client for Google Street View
- [Doodle Gallery](#) - Django webapp for viewing Google Doodles
- [Doodles](#) - Authored interactive Doodles on Google homepage using raw Javascript

Systems Engineer @ UrbanScan (acquired by Google) *2005–2007*

Automated 3D model generation for urban environments.

- 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.

Education

MSECE, Masters of Electrical and Computer Engineering - [University of Iowa](#) - 2001-2003

BSEE, Bachelors of Electrical Engineering - [University of Iowa](#) - 1998-2001