

SINAN BOLEL

Full Stack Developer

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EDUCATION

B.S. Computer Science, Northwestern University (2009 – 2014)

- Gained expertise in systems (databases, networks) & interfaces (HCI, Agile).
- Engineered augmented reality game allowing 2 users to play ping-pong using hands as paddles.
- Demonstrated understanding of networks by reimplementing TCP/UDP in C++ from scratch.

EXPERIENCE

Web Developer, Bethesda Softworks (June 2017 – Present)

- Implemented new features and bug fixes for the Bethesda.net platform's front-end applications.
- Undertook ownership over major engineering initiative of migrating Bethesda.net services built on legacy JavaScript framework to a React.js microservice architecture.
- Designed and implemented JS library to enable React microapps to run alongside legacy services.
- Trained engineering team on React best practices and actively engaged peers in setting internal standards for developing React applications.

Senior Developer, Green Key Technologies (November 2016 – March 2016)

- Engineered VOIP app to enable calling/push-to-talk with an unlimited number of users.
- Reduced app size by 90% (10MB → 1MB) by transpiling/bundling using Babel, UglifyJS, Gulp.
- Reduced app load time by 90% (7s → 700ms) implementing build tools; moving assets to CDN.
- Implemented continuous delivery for Windows, MacOS, Android, iOS w/ CircleCI, AppVeyor.
- Deployed 15-node DC/OS Mesos cluster on Google Compute Engine for data science team.

Full Stack Software Engineer, Strike Social (July 2016 – November 2016)

- Engineered Angular 2 app for managing YouTube/Facebook campaigns via one interface.
- Implemented Firebase/WebSockets to provide optimization engine with user data in realtime.
- Interviewed and onboarded new team of 3 developers, 2 cloud engineers under guidance of CTO.
- Drove sprint planning, retrospective meetings; assisted Scrum master in managing the team.

Development Manager, Rocket Wagon (April 2016 – July 2016)

- Designed, developed; shipped blog engine w/ Node.js, Contentful for global client in 2 weeks.
- Engineered open-source library for instantiating 360-panoramas by including 1 HTML tag.
- Implemented Node.js static page generator to allow client to create marketing pages without engineering effort, reducing the time to take a page live in production from 1 week to 1 day.

Consultant, One Six Solutions (January 2016 – April 2016)

- Developed AngularJS company website, reducing load time by 70% from 1 second to 300ms.
- Implemented open-source Node.js module for connecting Harvest HR data to Xero software.
- Documented internal processes, employee guidelines, and internal code style guide.

Co-founder, Pyro (December 2014 – August 2015)

- Engineered open source browser IDE for building cross-platform apps w/ AngularJS, Firebase.
- Designed front-end of Pyro Platform and composed templates (HTML) and stylesheets (SCSS).
- Executed user acquisition plan for a 60% conversion out of 110 pre-alpha signups.

Co-founder, Besso Labs (January 2014 – December 2014)

- Technical lead for engineering team building cross-platform apps for creative social UXs.
- Led development of 6+ cross-platform apps in JavaScript with Firebase, Ionic Framework.
- Mentored new engineering interns with both full-stack development and database design.
- Started Pyro to help developers create realtime apps quickly through the browser.

Program Manager Intern, Microsoft (June 2013 – September 2013)

- Responsible for ideation, development, and shipping of ad experience.
- Developed specifications for a new advertising experience for Outlook.com
- Drove sprint planning and retrospective meetings in shipping new ad UX.

Engineering Intern - SwipeSense (June 2012 – May 2013)

- Responsible for contributing to Ruby on Rails API for wireless sensor networks.
- Refactored Arduino code used in enabling ingenious wireless sensor networks.
- Reported web development learning progress to CTO and studied web systems.

Lead Consultant - Northwestern University IT (September 2010 – January 2012)

- Supervised teams of 5-10 consultants and assisted in solving IT issues on school campus.
- Fostered learning as Training Coordinator; developed training material for the consultant team.

Associate Consultant - Northwestern University IT (October 2009 – September 2010)

- Responsible for assisting faculty, staff, students with technology issues.
- Demonstrated exceptional leadership and management skills to be promoted.

HONORS

Grand Prize - SmallBizDev Hackathons: Chicago (July 2014)

- (Team member) Created "Escollate" -- a mobile app that enables small business owners to solve complex financial problems by combining the power of real-time data with the wisdom of a collaborative community.
- Successfully rapid-prototyped a functional cross-platform application with social features, interactive charts, and realtime data powered by Firebase.
- Press: <https://devpost.com/software/escollate>