# Bumsoo Kim

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**INTRO**   Super-motivated and passionate polyglot code-slinger ready to unleash best-in-class software engineering practices on front-end, back-end and cloud/infrastructure projects

**SKILLS**   Node.js/JavaScript, Java, Ruby on Rails, Elixir, TDD, SQL, MongoDB, React/Redux, Angular, AWS/Terraform, TypeScript

## EXPERIENCE

### Software Engineer

*Intent*                                                                                                    2020 - Present

- Refactored and extracted application logic from legacy Java monolith into encapsulated library
- Established Internal Load Balancer on AWS to prevent access to proprietary information through provisioning AWS resources using Terraform infrastructure-as code.
- Developed RESTful API using Elixir/Phoenix
- Founded a utility library on private registry to store business logic that is shared between other repositories.

### Software Engineer (Consultant)

*Embark*                                                                                                    2019 - 2019

- Upgraded Embark's frontend Framework from AngularJS to Angular 8 to decrease tech debts and enhance user experience.
- Collaborated with senior engineers to build Reactive Forms from JSON from MongoDB with custom cross field validations and auto-saving the changes into the Node.js backend to allow for customization using unique types.
- Devised advertisement logic and indexed clicks on advertisements at backend using ElasticSearch.
- Prevented the users from accessing features they did not have permission to access using a backend middleware.

### Tech Lead: El Salvador Team

Engineers Without Borders - New York University                                                             2014 - 2015

- Led 12 person engineering team in El Salvador to empower community by designing and executing Water Treatment project.
- Negotiated with the Perquin Community to implement $400,000 water treatment proposal, to install a water treatment plant to affect thousands of people more than previous EWB 2009 plan.
- Managed all project resources to streamline processes and delegate responsibilities, resulting in successful project analysis.

## PROJECTS

**MELP**- JavaScript, ReactJS, Redux, PostgreSQL, AWS, Ruby, Ruby on Rails, Google Map API          live | github
*Responsive single-page app inspired by Yelp*

- Incorporated Google Map API to display data fetched from the customized SQL queries using locations and query strings.
- Enhanced server security by capping the upload size at 1mB to prevent extra storage costs.
- Accelerated load time by 500% by eager loading data using ActiveRecord associations in the Ruby on Rails backend.

**NYC PARTICIPATES!**- JavaScript, D3.js, jQuery                                                     live | github
*Data Visualization of citizens' budgeting proposals on a map of NYC*

- Applied D3.js library to parse GeoJSON and to draw NYC council districts as SVG paths.
- Implemented media queries to make the application responsive at any screen size.
- Employed jQuery to manipulate the DOM and create a single page app.

## EDUCATION

App Academy - *Intensive 1000+ hour software developer curriculum with < 3% acceptance rate*          2018 - 2019
New York University - *BA Chemistry, Minor in Mathematics*                                            2012 - 2018