

# BATJARGAL BATBOLD [Ba-cha]

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## Senior Software Engineer

- Innovative and solution-focused Senior Full Stack Engineer with 8+ years of development of state-of-the-art software and web applications across multiple platforms and environments
- Creative problem solver who accurately assesses technical situational challenges and successfully transforms ideas into appropriate workable solutions
- Experienced in managing and executing full SDLC, from requirements gathering and conceptual design through development, enhancement, and maintenance
- Demonstrates superior analysis, coding and debugging skills; able to rapidly adapt to new technical environments
- Outstanding communication skills; interfaces effectively with upper managers, staff, peers and clients

### TECHNICAL SKILLS:

<i>Languages</i>	Javascript, PHP, Java
<i>Web Frameworks &amp; Libraries</i>	VueJS, React, EmberJS, AngularJS, Backbone and related libraries Cypress, Selenium, Jest, Express, SocketIO and JS bundling tools Laravel, Spring, Hibernate/Prope/Eloquent and other ORM libraries
<i>Databases</i>	SQL & NoSQL databases
<i>Platforms</i>	NodeJS, macOS, UNIX, Android, ROS, iOS
<i>Infrastructure</i>	AWS, Docker, Terraform, CDK, Jenkins, Buildkite
<i>SDLC</i>	TDD, Agile, RUP, Waterfall, Use Case Driven Development

### WORK EXPERIENCE:

#### Amazon.com Services LLC – Senior Software Development Engineer, Seattle, WA

06/2020 – current

##### *i18n team*

- Investigate incoming traffic to string vending services for anomalies. Investigation enabled customers to be onboarded from AWS (new infrastructure) to old infrastructure.
- Built a pipeline for running cross language consistency tests — peer engineers took it further to include performance tests and improving locking mechanism when a test is running in one of the pipelines.
- Redesigned a new version for the string vending services with improved user experience and better caching performance that allows customers to choose multiple caching strategies. This is a very high throughput Java library that requests strings for Amazon.com.
- Design and implement JS/TS library for all Amazon engineers to use for i18n & localizations. The library helps engineers to load translations into JS run time and implement Amazon specific i18n needs.
- Enhancement and feature development for ICU standard libraries that renders all strings in Amazon.com.
- Represents Amazon in MessageFormat v2.0 standard working group

#### Quartzy Inc – Senior Software Engineer, Palo Alto, CA

06/2015 – 06/2020 [remote]

- Refactored and separated the Vendor Management system client application in React and improved development speed and made it easier to maintain code. Improved the build tool and optimized local build time from 15seconds to 5 seconds.
- Separated and rebuilt the frontend application in EmberJS for app.quartzy.com.
- Maintenance and integration with 3rd party tools and platforms for sales and marketing teams that saved many man hours of manual work.
- Redesigned client managing admin panel application while working and managing contractors.
- Rebuilt the internal catalog uploading module to allow files more than 100MBs to be uploaded which helped the data analysis team to not be depended on engineers.
- Implemented automated marketing tools that saved the sales team 15 hours a week.
- Developing end to end features that expands through multiple internal products communicating through RPC.

#### Fieldbook Inc – Product Software Engineer, San Mateo, CA

01/2015 – 05/2015

- Improved test stability which had become a headache for shipment by combining several promise libraries and refactoring realtime test code.

- Fixed several bugs which were causing double requests to be sent and cut down load time by 2x.
- Successfully implemented a worker node for processing sheets offline removed several timeout exceptions.

**Orbit Systems – Programmer Analyst**, Columbus, OH

07/2014 – 01/2015

**Full Stack Developer at JPMorgan Chase**

- Developed a cross-browser compatible Project Management Web application in AngularJS.
- 5x faster than the previous version and has a more friendly user interface with great user experience in mind.
- Using JEE, Spring framework and Hibernate with Oracle Database in backend
- Supports real-time updates using WebSockets

**Independent Development**

**Tech lead & advisor at Egulen Systems LLC - 01/2020 - 01/2022**

- Built and lead a team of 8 engineers to build a booking platform (ariguna.com) that allows salon owners to create their salon profiles and manage it. Accepts payment via a card reader that is programmed to work with the web and iOS powered POS system. This reduced charges for each transaction from 3% to 1.5%.
- Designed a job marketplace that uses blockchain to validate and stores employment history to expand the ariguna.com platform.

**Caisis Open-Source Cancer Data Management - 01/2014 - 01/2015**

- Created and modified interactive forms with pre-built UI components and beautified it with CSS3 and HTML5.
- Implemented extendable jQuery Data validation for checking input Data ranges.
- Implemented extendable, modular jQuery UI component which effectively handled paging including hide/show functionality for forms.

**Mongolian to Japanese/Chinese/Korean Dictionary - 06/2013 - 10/2013**

- Built a Japanese/Chinese/Korean dictionary using AngularJS & PhoneGap .
- Compatible with Android, iOS, and Blackberry platforms.
- For effectiveness and fast response, pre-loaded every word into the application (in both languages) and searched with jQuery when the User types

**Chinggis Systems LLC**, Ulaanbaatar, Mongolia

10/2010

**Senior Software Engineer**

- Tapped to serve as Team Lead and Scrum Master for complex projects aimed at design, development and implementation of advanced software and web applications for major business clients
- Worked as the project lead on developing a construction project management system for a major bank in Ulaanbaatar, Mongolia using Vaadin and Angular.
- Designed, developed and deployed a nationwide Railway Monitoring system using C#, providing an efficient solution to share workspace between server-client. Increased efficiency of data storage and decreased size by 60%
- Collected 250,000 emails and increased email marketing subscription by 3x with a creative web crawler using Java for finding emails in Mongolian web pages, including design of image recognition algorithm for emails in image format. Formulated solutions to surmount cookies and session issues.
- Developed an algorithm for vehicle tracking system using Java, gives precise time, route to destination and order of pick-up based on collected statistical data.

**NOTE:** Additional experience includes role as **IT Department Teacher** for Mongolian University of Science & Technology (01/2012-10/2013).

**EDUCATION:**

**Mongolian University of Science and Technology**, Ulaanbaatar, Mongolia

01/2011 –06/2013

**Master of Information Technology**

GPA: 3.5/4.00

Artificial Intelligence, Database Management and Design, Computer Network and Open Systems, Microprocessor Systems and Interfacing Technology, Virtual Programming

**Mongolian University of Science and Technology**, Ulaanbaatar, Mongolia

08/2008 –06/2012

**Bachelor of Information Technology**

GPA: 3.84/4.00

**Honors:** Graduated with Honors, Prime Minister's Scholarship, Golomt Bank excellence scholarship, Toyota-MUST Joint Foundation excellence scholarship