

CONSTANTIN DUMBA

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LANGUAGES AND TECHNOLOGIES

- **Strong:** JavaScript, AngularJS, jQuery, Meteor, D3, Node.js, Express, C#, ASP.NET, SQL, PostgreSQL, MongoDB, Git, Heroku, AWS, Microsoft Azure, Grunt, Gulp, HTML5, CSS3, Mocha, Chai, Cordova
 - **Exposure:** ReactJS, Lua, Linux
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PROFESSIONAL EXPERIENCE

Microsoft | Software Engineer | Redmond, WA

2016 - Present

- Utilized D3 and AngularJS for data visualizations of 75,000+ machines per Fortune 100 client for Microsoft Systems Center Configuration Manager to show each client's O365 servicing status.
- Engineered SQL views and WMI classes to efficiently query user data from 100,000+ client devices.
- Processed client machine data with asynchronous algorithms using C# and .NET for arithmetic calculations.

Fresher Marketplace | Software Engineer, Contract | fresher.io

2016 - 2016

- Refactored Python Django fish marketplace web service into a hybrid mobile app using Meteor and Cordova with 1000+ active users and ~70 weekly transactions.
- Integrated Braintree API to enable online payment system allowing for ~100% growth of company revenue.
- Followed scrum agile development methodology on team of 4 software engineers using Git version control.

Ditto | Cofounder + Lead Software Engineer | dittopia.com

2015 - 2016

- Accepted into the Blue Startups Accelerator Program in Honolulu, a top 20 accelerator in the United States.
- Delivered full stack JavaScript hybrid social media platform for Web, iOS, and Android using Meteor, Node.js, MongoDB, Blaze and Cordova with ~200 users, meeting multiple stakeholder milestones.
- Led team of 7 engineers, designers and marketers through daily standups and 2 week sprints as scrum master.
- Conducted extensive consumer research using AB testing, data analytics of user behavior, and 2 focus groups.

Schumacher College | Senior Web Curriculum Engineer | Dartington, United Kingdom

2010 - 2014

- Designed and managed learning platform for 3 courses across 5 countries, with annual budget of ~\$150,000.
 - Built and maintained a Virtual Learning Environment using Moodle, Alfresco, and Windows Server 2008.
 - Produced interactive multimedia learning resources, including video, audio, quizzes, and interactive slides.
 - Managed and trained a team of 10+ educators, located on 3 different continents to use the platform.
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RECENT PROJECTS

Happiness Meter | Software Engineer

2016

Internal Microsoft tool for evaluating the effectiveness of various initiatives designed to improve employee wellbeing.

- Constructed front-end views using AngularJS, HTML5, and CSS3 to handle display of survey results to users.
- Architected RESTful Node.js and Express API to handle employee survey inputs and queries to SQL database.
- Implemented dynamic D3 visualizations to present real-time results and improve employee engagement.

SnapDown | Software Engineer | [code](#)

2015

Social platform for friends to challenge each other and connect through group picture sharing of current activities.

- Minimized HTTP requests to Node.js backend by ~75% through utilizing AngularJS to handle page routing.
 - Created intuitive UI/UX following Google material design principles using Ionic, HTML5, and CSS3.
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EDUCATION

University of Plymouth, Totnes, United Kingdom, Masters in Holistic Science (with distinction)

2009

SAE, Byron Bay, Australia, Diploma in Film

2004

LEADERSHIP + AWARDS

- Mentor/Organizer at Startup Weekend Honolulu, Microsoft Leap Hackathon 2016
- Second Place at Startup Weekend Honolulu 2015