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VAIBHAV GOVILKAR
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EMPLOYMENT

Software Dev Engineer II	**Expedia**	**January 2016 - Present**

Vacation Rentals
- Designed and developed A/B tests on booking path to drive conversion for Vacation Rentals on the Expedia platform.
- Designed and developed landing page content generation systems to drive SEO for vacation rentals.
- Third-party inventory and content ingestion systems to onboard vacation rental inventory from external platforms.

Software Engineer I/II	**Orbitz Worldwide**	**Jan 2014 – Dec 2015**

Microservices and Real-time data pipeline
- Designed, developed and deployed several production ready micro-services as a part of the highly scalable internal landing page framework.
- Designed caching strategies on the micro-services to ensure low latency even at high traffic volumes which included search engine crawlers and users. The micro-services built parts of the landing page in parallel as a part of the framework.
- Developed a pipeline to generate data for cheapest flight pricing on landing pages using a real time stream of search logs. Search data was also used to generate popular flight crosslinks across the landing page ecosystem.

Site-Awareness Automation
- Led the overhaul and automation of the Site-awareness system. This system populated a data store for all landing page URLs(used for landing page crosslinks) along with SEO meta-information and also generated XML sitemaps.
- Spearheaded the effort to re-architect the host to run continuously and throttle based on live traffic, with automated restful triggers to control the job flow. This significantly boosted the refresh rate of cross-links and xml sitemaps.
- Created a system to auto-deploy static SEO files like XML sitemaps and robots.txt to production with changes in landing page configurations. The system also monitored SEO stats by plugging into Google Search Console API.

Brand Localization & Landing Page Availability
- Localization for various geographies for Orbitz brands like Hotelclub(Australia/SE Asia) and Ebookers(Europe).
- Enhancements to logging, and features for the landing page framework to improve availability for these pages.

Software Engineer	**Nokia Corporation**	**July 2013 – Dec 2013**

Nokia Xpress browser for feature phones
Design and development of features that involve client-server communication, client-side analytics & UI enhancements.

Research Assistant	**University of Illinois at Chicago**	**May 2012 – May 2013**

Electronic Visualization Lab – RailSim Project
Immersive scientific visualization of rail-track simulation in a 3d virtual reality environment called the CAVE 2.

EDUCATION

M.S Computer Science, GPA 3.62	**University of Illinois at Chicago**	**Fall 2011 – May 2013**
B.Tech(Telecom) + MBA(Tech Mgt.)	**NMIMS University, Mumbai**	**Aug 2006 – May 2011**

PROJECTS   PROJECTS AVAILABLE AT: http://www.vaibhavgovilkar.com/

Sticknshare.net
Fully working wishlist sharing single page (Firebase) app with Facebook authentication and real-time sync between clients.
Critical Mass
Led a cross-functional team of engineers and artists to develop a stereoscopic 3d first person physics puzzle shooter. Apart from my role as the team lead I worked as the chief programmer for physics and gameplay (**won best interactive gameplay**)
Door2Door Travel Time Estimator (finalist top 10 in worldwide Expedia hackathon)
A single page angular app with an express(nodejs) server that gives the fastest options to get from one address to another.
Activity based hotel search
An app that allows the user to view hotels sorted based on proximity to activities selected by the user.
Gravity Bomber
A game that allows the manipulation of gravity to control bombs deployed by a player-controlled spaceship. 3/5 Avg rating.

Technologies

Languages: Java, Javascript, C++, Python, Bash
Frameworks: *Spring, AngularJS, Express, Node.js, Bootstrap, RabbitMq(messaging), Unity3d(Game Engine)*
Data Stores: *Solr, ElasticSearch, Cassandra, Couchbase, EhCache*
Development and Deployment: Git, Jenkins, IntelliJ, Maven, Gradle, Vagrant, Opswise