# Mohammad Ali Khan

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## EDUCATION

**University of Southampton (Southampton, UK) – MEng Computer Science** *(2011 – 2015)*
- First Class Honours

## EXPERIENCE

**FactSet Research Systems Inc. – Software Engineer III** *(August 2015 – Present)*
- Developed new event management interface for users in AngularJS.
- Helped team switch projects from Perforce to Git, as well as being guide for team members.
- Improved application page loads, through parallelising requests, by 90%.
- Parameterised deployment process for projects and improved options for difficult deployments.
- Created UI components such as property hovercards and statistics tab for web application.
- Upgraded caching infrastructure for .NET systems to use Memcached.
- Created independent UI components to display details for an overview page for web application.
- Helped implement migration for in-house event management system to use OpsGenie.
- Helped develop in-house trading game to introduce high school students to FactSet for CSR.

**PCs4Kids – Part-time Volunteer Full-Stack Developer** *(November 2017 – January 2019)*
- Developed web application for kids to choose activities/games to play

**J.P. Morgan Chase & Co. (London, UK) – Technology Intern** *(June 2014 – August 2014)*
- Guided development team through the project life cycle for changes in company systems.
- Developed macros to reduce custom Excel sheet creation time by 95%.
- Wrote revised documentation for an internal product and demonstrated its features to the users.

**Micro Focus Ltd. (Newbury, UK) – Product Development Intern** *(June 2013 – August 2013)*
- Developed command line interface, rebuilt graphical user interface of internal company product in Java and wrote tests for application components.
- Researched searching and file reading algorithms, reducing search and read times by 30%.

## PROJECTS

**Basic-Custom-Map** *(2017)*
- JavaScript library to create an interactive map from a given configuration. *TypeScript.*

**Outcome-Graph** *(2017)*
- JavaScript library to convert questionnaire sessions into ChartJS compatible radar chart. *JavaScript.*

**Personal Website Generator** *(2016)*
- Wrote a script to generate personal website from data in JSON format. *Python, JavaScript.*

**NHS Waiting Times Application** *(2015)*
- Web application showing nearest hospitals with least amount of waiting time for Accident and Emergency (A & E). *HTML, CSS, JavaScript.*

**Mobile Intervention Authoring** *(2015)*
- Extensions to Intervention authoring web tool as well as intervention displaying android application to test effective working of cochlear implants in patients. *Java, CoffeeScript.*

**IdeaBoard** *(2015)*
- Web application allowing people to create boards with customisable notes. *JavaScript, NodeJS.*

**PrivacyMatters** *(2014)*
- Web application allowing people to view data policies for UK registered companies in visualised format. *Java, Play Framework, JavaScript, Bootstrap.*

**Type Pong** *(2013)*
- Web game to help users improve typing skills while playing Pong. *Python, JavaScript.*

## SKILLS

- **Programming Languages**: Java, JavaScript, C# *(Good)*; SQL, TypeScript *(Intermediate)*; Python, PHP *(Basic)*
- **Technologies**: Git *(Expert)*; Jenkins, AngularJS, NodeJS, Twitter Bootstrap *(Intermediate)* React *(Basic)*
- **Spoken Languages**: English, Urdu *(Expert)*, Hindi *(Spoken)*