

# Mohammed Bilal Akhtar

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## WORK EXPERIENCE

### Software Developer at Polar (Toronto)

May 2015 – Aug. 2015

- Worked on features involving all components of the stack, such as the database schema, several backend APIs, the Django-based web portal, and an iOS SDK
- Recognized internally numerous times for being quick to debug issues
- Prototyped proposed features in internal hack days and won - twice
- Stepped up to push a hotfix release to production in the absence of tech lead

### Junior Developer at OpenText (Waterloo, ON)

Jun. 2014 – Aug. 2014

- Created and deployed the frontends and Node.js backends of multiple web apps, including a web-based dictionary, and a bingo app
- Added document collaboration features to Core, a web-based document sharing cloud

### QA Engineer at Canonical (Worked remotely)

Nov. 2011 – Oct. 2012

- Tested upcoming releases of the Ubuntu Unity desktop shell, and reviewed incoming bug reports
- Developed bug fixes in C++ for Unity and related sub-projects

## OTHER TECHNICAL WORK

### Ubuntu/Debian

- Made over 30 package uploads as a community developer, for bug fixes and new upstream releases
- Added new features to the Ubuntu Unity desktop shell, such as the display of download/install progress over icons of apps being installed
- Maintainer of package liboauth on both Debian and Ubuntu since 2010. Preinstalled on Ubuntu systems since 2012

### Gardiner - iOS app to share location among families - Personal side project

- Built RESTful backend in Node.js for data storage and syncing
- Currently developing iOS app in Swift - which is feature complete

### Electioneering - Web-based election simulation game where the user is a politician - Built at Hack the North 2015

- Developed the algorithm to determine vote intention and stances for each simulated person
- Connected web front-end to the REST API and other data sources

### TaskMaster - iOS app for managing and automatically delegating tasks during events - Built at MHacks 2015

- Handled real-time syncing of tasks between devices
- Built most of the iOS app in Swift

### MoarTi.me - Web app for automatically finding best meeting times based on the google calendars of attendees - Built at UW EngHack 2014

- Built most of the Node.js backend

## SKILLS

### Languages

- JavaScript
- HTML/CSS
- Python
- Swift
- Objective-C
- Scala
- PHP
- Java
- C/C++

### Technologies

- Node.js
- Angular.js
- React
- Django
- MongoDB
- Redis
- SQL
- iOS
- Linux/Unix

## EDUCATION

### University of Waterloo, Software Engineering 2014 - 2019

- Dean's honours list (4.0 GPA)
- Class Academic Rep

## ACTIVITIES

- Led a SQL/Database workshop for ~100 people
- Built a website for Enactus Waterloo using Django, and deployed it on AWS
- Helped organize Tech Retreat, a high school hackathon at UW