

Mohammed Bilal Akhtar

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WORK EXPERIENCE

Software Developer at PagerDuty (Toronto) Jan 2016 - Apr 2016

- Increased 10x the incident-handling capacity of the Scala microservices that generate notifications, without any infrastructure growth.
- Ran long-running database migrations directly in prod while preserving availability.
- Implemented features in the Rails web app, such as multi-integration services, direct incident assignment and incident grouping.
- Resolved system alerts to ensure product reliability at all times.

Software Developer at Polar (Toronto) May 2015 – Aug 2015

- Unified sign-in and user account storage between both Polar products.
- Worked on the REST API, Django web app, and the iOS library.
- Recognized internally numerous times for being quick to debug issues and for producing quality code.
- Prototyped proposed features in internal hack days and won - twice.

Junior Developer at OpenText (Waterloo, ON) Jun 2014 – Aug 2014

- Created and deployed the frontend and Node.js backend of multiple web apps, including a web-based dictionary, and a bingo app.
- Prototyped document collaboration features for Core, a web-based document sharing service.

QA Engineer at Canonical (Worked remotely) Nov 2011 – Oct 2012

- Tested upcoming releases of the Ubuntu Unity desktop shell, reviewed incoming bug reports, and developed bug fixes in C++.

OTHER TECHNICAL WORK

Ubuntu/Debian

- Updated over 30 packages 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 all Ubuntu systems since 2012.

Hackathon projects

- [Settlr](#): Web app to find the best neighbourhood to move to in a city, based on crime rate, transit, noise, etc. Built at MHacks Refactor using Node.js and MongoDB.
- [Electioneering](#): Web-based political election simulator game. Built at Hack the North 2015 in Angular.js.
- [TaskMaster](#): Shared to-do list iOS app in Swift that automatically delegates tasks to people based on location/availability. Built at MHacks.

SKILLS

Languages

- JavaScript
- Ruby
- Python
- HTML/CSS
- Scala
- Swift
- PHP
- C/C++

Technologies

- Node.js
- Backbone
- React
- Rails
- Django
- MongoDB
- Cassandra
- Redis
- SQL
- iOS
- Linux/Unix

EDUCATION

University of Waterloo,
Software Engineering

2014 - 2019

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

ACTIVITIES

- Helped organize Tech Retreat, a high school hackathon at UW with 150 attendees and 400 applicants.
- Led a SQL/Database workshop for ~100 people.