

# Tareq A Khandaker

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## Work Experience

### Software Engineer (Clara Lending)

Dec 2016 – October 2017

- ◇ Implemented some parts of mortgage operation logic using [Scala](#), [Thrift](#), and [PostgreSQL](#).

### Software Engineer (Paymentus)

Feb 2016 – Dec 2016

- ◇ Implemented customer information file readers and report writers using [Java](#), and [Oracle](#).
- ◇ Added the ability to concatenate an insert to an encrypted bill using a PDF-editing library.

### Software Engineer (Terapeak)

Feb 2014 – Jul 2015

- ◇ Created a standalone server for account deletion using [Java](#) and [PostgreSQL](#).
- ◇ Implemented [RESTful](#) services in [Java](#) for storing notes, account cloning, and account deletion.
- ◇ Implemented a preliminary part of a data ingestion tool in [Scala](#) for [ETL](#).
- ◇ Created [Python](#) scripts to correct erroneous database entries.

### Engineer (travl)

Apr 2012 – Feb 2014

- ◇ Implemented note-keeping for itinerary locations to direct trip attendees using [C#](#) and [ASP.NET](#).
- ◇ Used the [Expedia API](#) to populate point of interest data for itineraries using [C#](#).
- ◇ Created a calendar front-end to assist users in planning their trips.

### Engineer (Qualcomm Innovation Center)

Sep 2010 – Apr 2011

- ◇ Improved the [UI](#) for [Android continuous integration \(CI\)](#) jobs using [GWT](#).
- ◇ Developed a method to capture [Android dmesg](#) logs, reducing triage effort by 20%.
- ◇ Created a system to automatically fast-forward [git](#) branches to test potential releases.

### Interim Engineering Intern (Qualcomm)

Jan 2009 – Apr 2009 and Sep 2009 – Dec 2009

- ◇ Improved [CI](#) by 25% by creating scripts to perform automated data calls.
- ◇ Automated power-collapse (sleep) tests for [Android](#) devices, improving [CI](#) by 33%.
- ◇ Designed local [git](#) caching on build resources, halving file transfer times.

### Software Developer Co-op (Sybase Canada)

May 2008 – Aug 2008

- ◇ Measured the impact of compiling database binaries using successive compiler versions.

### Junior Software Engineer (Aviya Technologies)

Sep 2007 – Dec 2007

- ◇ Created an aircraft engine simulation converter (from [FORTRAN](#) to [C++](#)).
- ◇ Developed a test-case interpreter that ran tests on circuit boards simulating engines.

### Release Management Coordinator (Redknee)

Jan 2007 – Apr 2007

- ◇ Halved release notes turnaround time to one hour by creating a developer [UI](#) using [AJAX](#) & [JSP](#).

### Technical Support (Tennis Canada)

May 2006 – Aug 2006

- ◇ Designed and implemented a simple online order form using [HTML](#) and [ASP.NET](#).

## Education

### Bachelor of Software Engineering (University of Waterloo)

Sep 2005 – Apr 2010

## Skills

[Python](#), [C++](#), [Java](#), [Scala](#), [Linux](#), [OS X](#), [bash](#), [git](#), [vim](#), [IntelliJ](#), [Eclipse](#)

## Projects

### Disconnect

- ◇ Implemented a preliminary website for [disconnect.me](#) in 2011.

## Open Source

- ◇ Contributed packages and issues to [Homebrew](#) for OS X.
- ◇ Contributed to a [Dwarf Fortress](#) game utility.
- ◇ Contributed [patches](#) to [Mozilla Firefox](#).