



# Calico Challenge 2017

BY ALEX LESLIE

# Incentive

## The Calico Challenge

- ▶ Participating in the Calico Challenge has provided collaborative experience and an opportunity to make a contribution to the open source community in Jamaica. Hence, it also fosters networking opportunities amongst participants.

## Why JResume?

- ▶ Resumes are a primary tool for securing employment. Constructing a resume may feel tedious or confusing at times. Hence, a tool that assists someone in constructing their resume would be of incredible value. JResume provides that assistance.

# The Calico Challenge

- ▶ To work on an open source project
- ▶ Supervised by a mentor (usually creator of project)
- ▶ Divided into midsummer and final checkoff points

# JResume

- ▶ Created by Luke Chen Shui, a student at the University of Technology
- ▶ JResume is a Web Application that serves as an online resume generator.
- ▶ A user may choose from a variety of templates and customizable resume headings to build a resume to their liking.
- ▶ Download both the HTML and PDF versions of your resume.
- ▶ Open source means free to use and contribute towards.

# JResume Creator and Mentor: Luke Chen Shui

- ▶ Attends the University of Technology in Kingston, Jamaica.
- ▶ GitHub: <https://github.com/chenshuiluke>
- ▶ Wanted to replace word document resume creation
- ▶ Created JResume to provide users with greater customizability with resume themes



# Working with Luke Chen Shui

- ▶ While I was contributing to JResume, Luke was:
  - ▶ Supportive
    - ▶ Always willing to assist with or clarify the project and its requirements respectively
  - ▶ Accessible
    - ▶ Easily reachable; communication was easy to establish and we kept in contact every few days
  - ▶ Knowledgeable
    - ▶ He was very familiar with the technologies used to build JResume and was able to make suggestions as to what new technologies might be used for improvements

# Technologies

- ▶ Programming Languages:
  - ▶ Java
  - ▶ HTML
  - ▶ CSS
  - ▶ Javascript
- ▶ Compile with:
  - ▶ IntelliJ IDEA
  - ▶ Maven
- ▶ Additional Resources
  - ▶ JUnit
  - ▶ Semantic UI
  - ▶ Chrome Headless
  - ▶ Inliner (npm library)

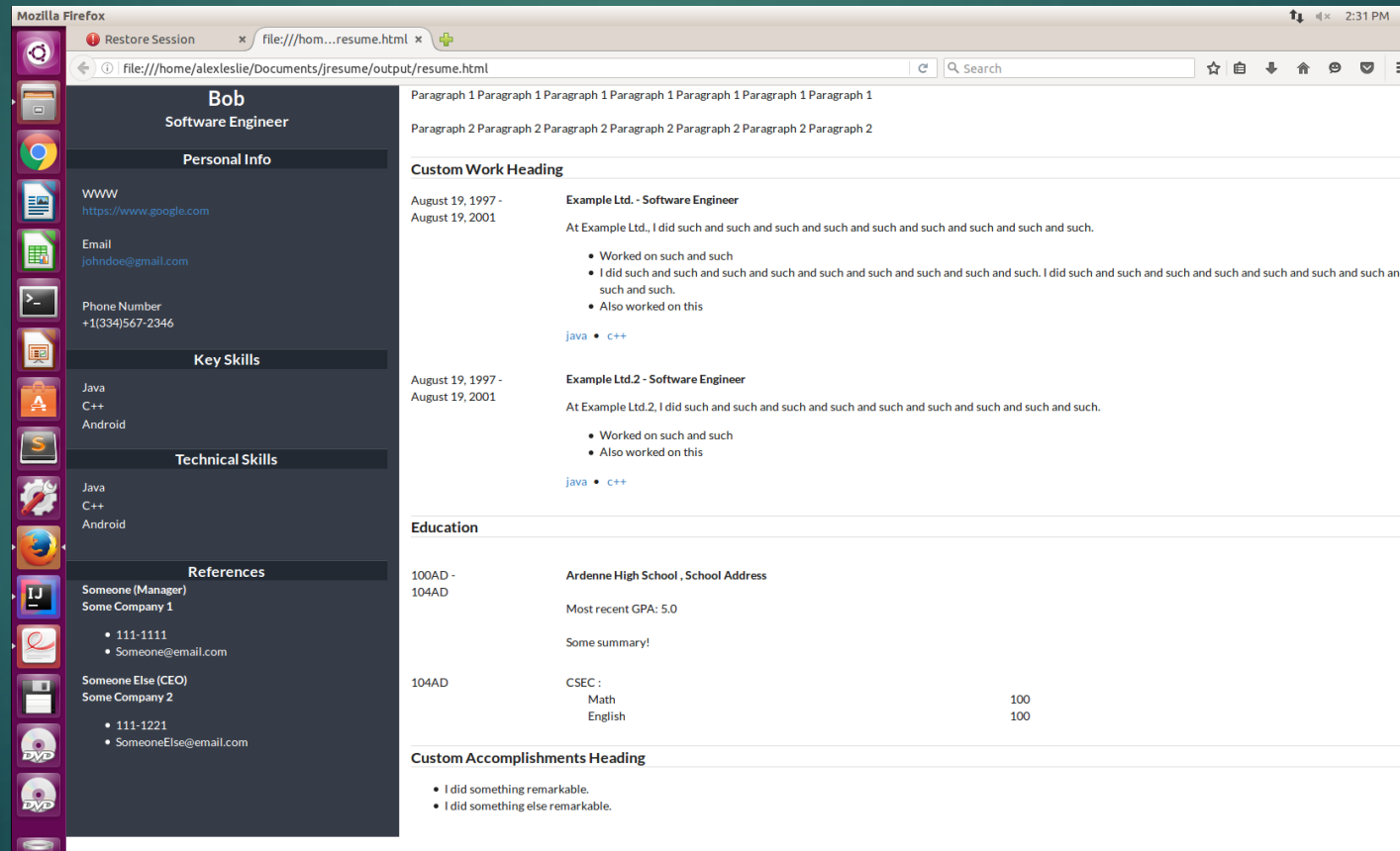
# Tasks Assigned

- ▶ Design new formal resume default theme
- ▶ Design resume theme with two column layout and contrasting backgrounds
- ▶ Allow user defined resume sections
- ▶ Allow embedding of resources into singular HTML file
- ▶ Generate PDF of HTML resume output



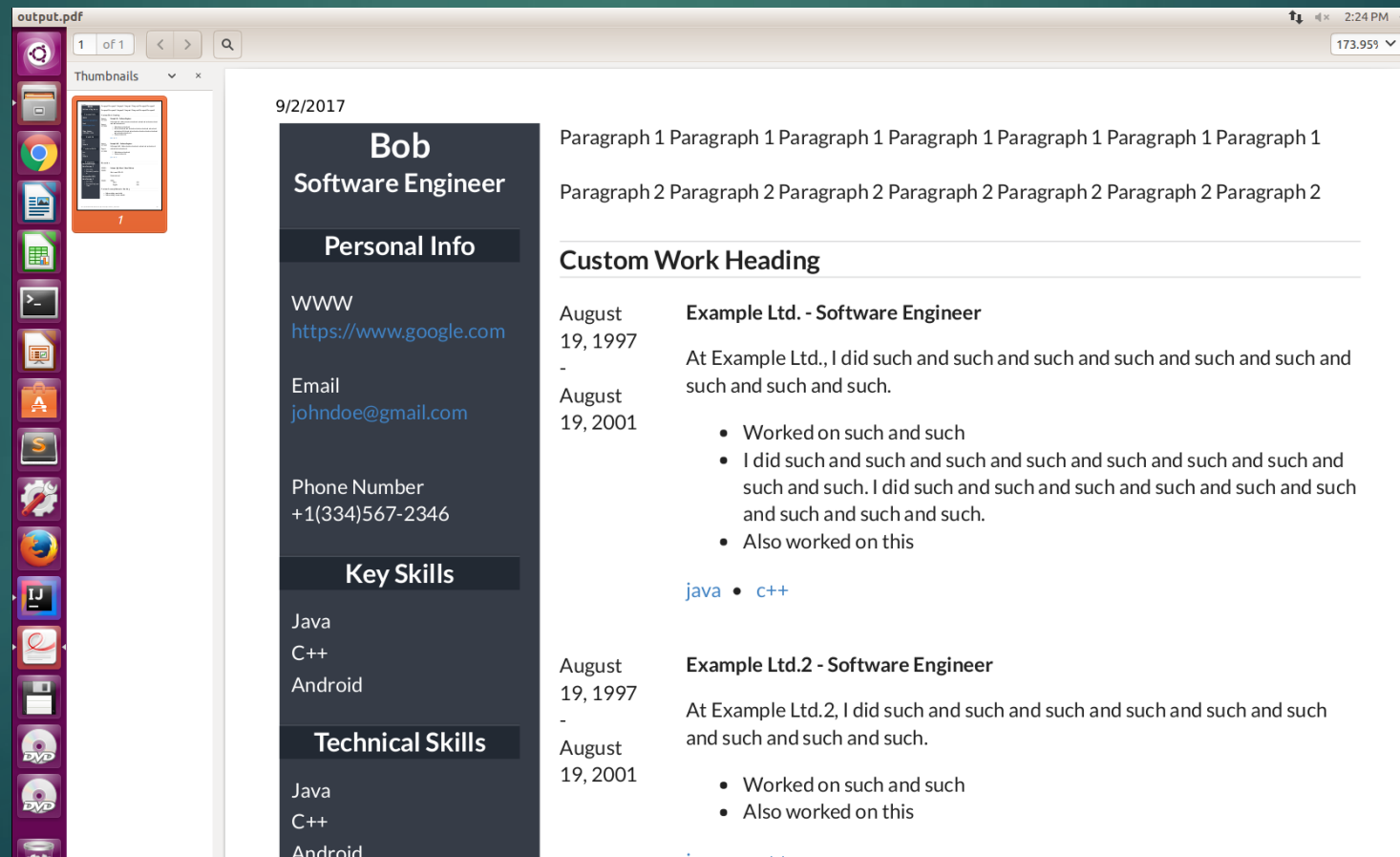
# Tasks Completed (Midsummer)

- ▶ Default resume theme was redone in HTML
- ▶ Alternating colour theme was added



# Tasks Completed (End of Summer)

- ▶ Embed HTML resume output resources into separate HTML file
- ▶ Generate PDF of resume after HTML output



# Using JResume Web

## JResume

How Do I Use This?

Step 1: Click Edit

Edit

Preview

Download HTML

Download PDF

default

Export JSON Resume

Import JSON Resume

Fork me on GitHub

Donate to

Personal Details

Name

Email

Phone

Website

Job Title

Objective

Step 2: Fill Out Personal Information

Personal Details

Name

Email

Phone Number

Address

Website

Job Title

Objective

Step 3: Expand And Fill Out Other Sections

Accomplishments

Education

School History

Examinations

# Using Jresume Web

The screenshot displays the JResume web interface with four instructional steps highlighted. Step 4 points to the 'Preview' button. Step 5 points to the 'default' theme dropdown menu. Step 6 points to the 'Preview' button. Step 7 points to the 'Donate to Project' button.

**Step 4: Save Your Progress So You Can Edit Your Resume Again Later**

Buttons: Edit, Preview, Download HTML, Download PDF, default, Export JSON Resume, Import JSON Resume, Fork me on GitHub, Donate to Project

**Step 5: Select a Theme**

Buttons: Download HTML, Download PDF, default, default, tech, Fork me on GitHub, Donate to Project

**Step 6: Preview Results And Download Resume**

Buttons: Edit, Preview, Download HTML, Download PDF, default, Export JSON Resume, Import JSON Resume, Fork me on GitHub, Donate to Project

**Step 7: Donate If Satisfied**

Buttons: Download HTML, Download PDF, default, Export JSON Resume, Fork me on GitHub, Donate to Project

# Preview Resume

Input resume information in form

*JResume*

? Help Edit Preview Download HTML Download PDF default

Export JSON Resume Import JSON Resume Fork me on GitHub Donate to Project

▼ Personal Details

Name	Email	Phone Number	Address
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Website Job Title

Objective

► Accomplishments

► Education

► Professional Work

► Volunteer Work

► Projects

Resume displayed on preview page

*JResume*

? Help Edit Preview Download HTML Download PDF default

Export JSON Resume Import JSON Resume Fork me on GitHub Donate to Project

Alex Leslie

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Education

Campion College | Sep 2007 to Jun 2014

Work Experience

Ctrl-IT - Android Engineer | Jun 2017

Volunteer Work Experience

Leo Club of Portmore - Secretary | Feb 2016

# Challenges

- ▶ Managing Calico tasks while having a full time job
- ▶ Researching new technologies for the project

# Lessons

- Time management
- New technologies (JUnit, Inliner, Chrome Headless)

# Recommendation

- ▶ Would recommend to ambitious programmers seeking to contribute to the open source environment