

# 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

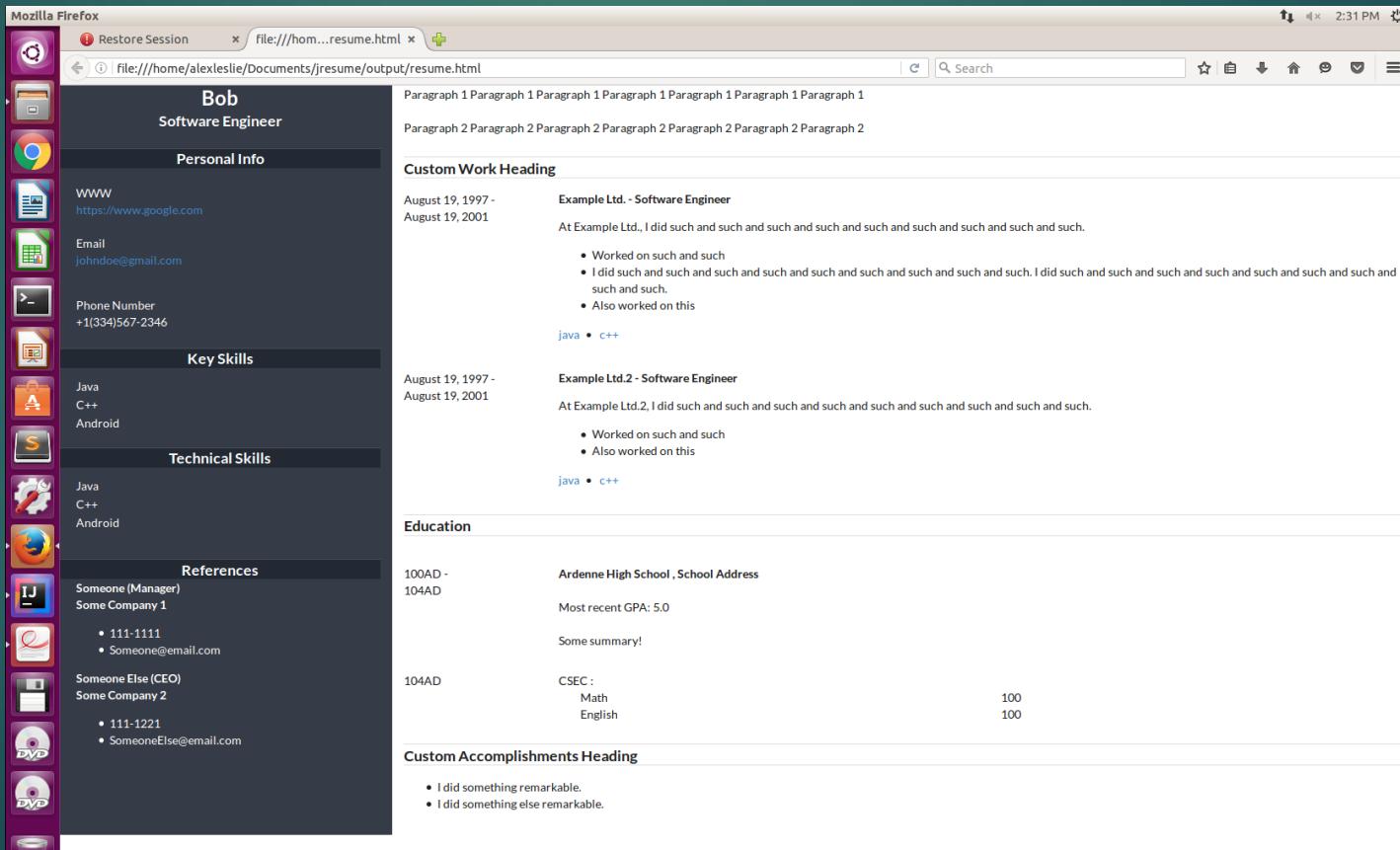
- ▶ Programming Languages:
  - ▶ Java
  - ▶ HTML
  - ▶ CSS
  - ▶ Javascript
- ▶ Compile with:
  - ▶ IntelliJ IDEA
  - ▶ Maven
- ▶ Additional Resources
  - ▶ JUnit
  - ▶ Semantic UI
  - ▶ Chrome Headless
  - ▶ Inliner (npm library)

# 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

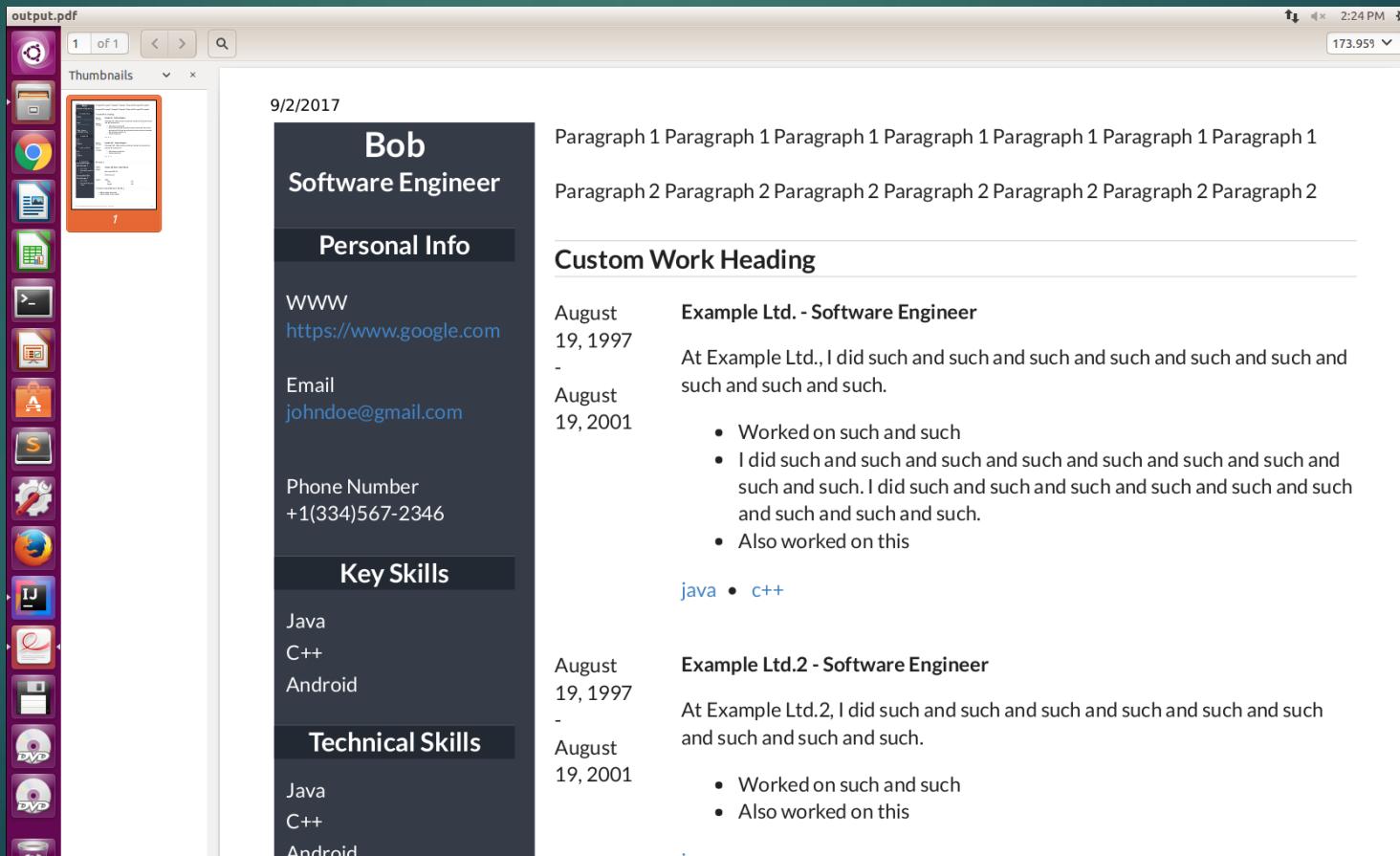
# Tasks Completed (Midsummer)

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

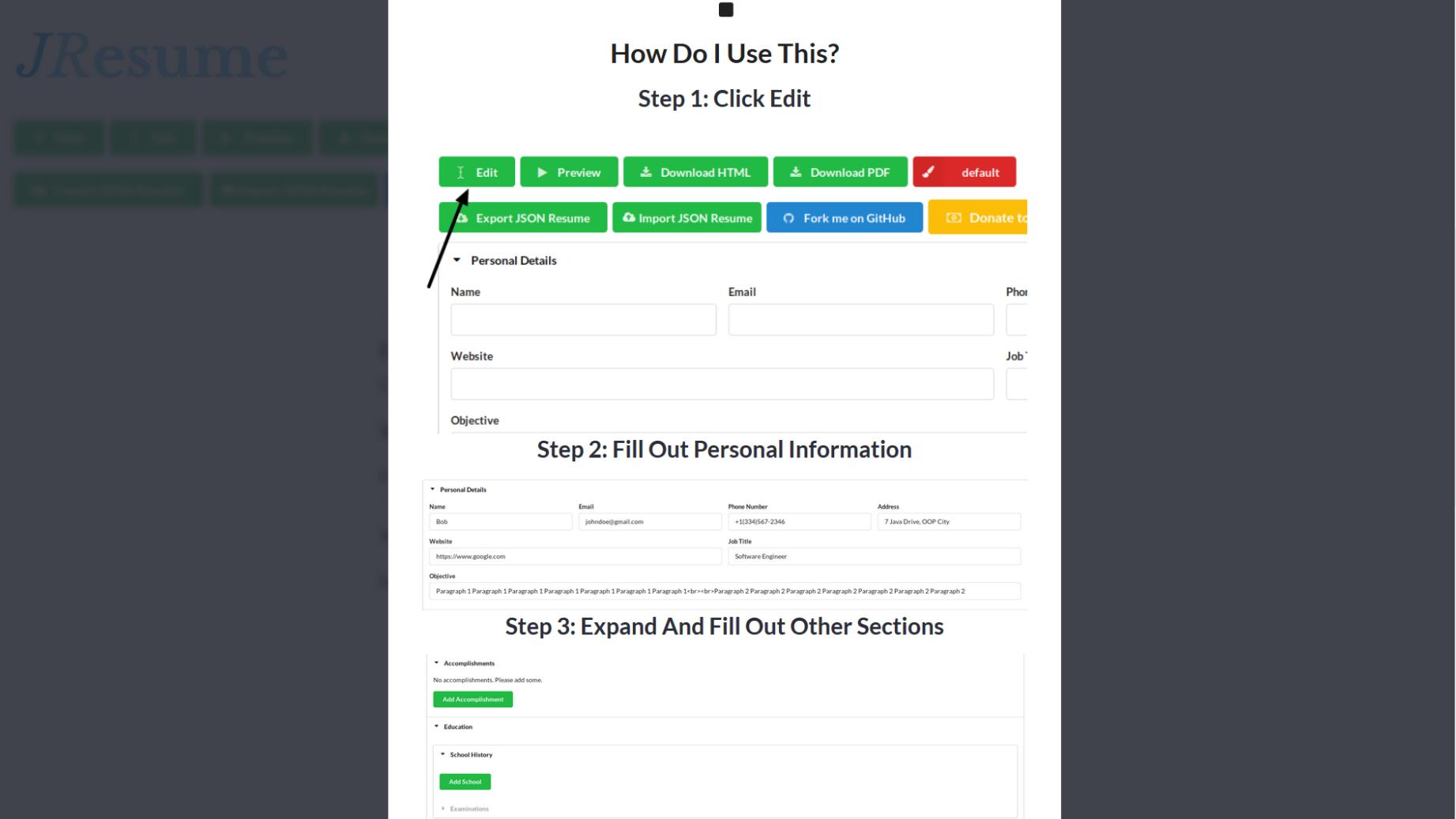


# Tasks Completed (End of Summer)

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



# Using JResume Web



The image shows a screenshot of the JResume Web application interface, divided into three main sections:

- Step 1: Click Edit**: The top section shows a toolbar with buttons for "Edit" (highlighted with a black arrow), "Preview", "Download HTML", "Download PDF", and "default". Below the toolbar are buttons for "Export JSON Resume", "Import JSON Resume", "Fork me on GitHub", and "Donate to".
- Step 2: Fill Out Personal Information**: The middle section displays a "Personal Details" form with fields for Name, Email, Phone, Photo, Website, Job, and Objective. The "Name" field is populated with "Bob", "Email" with "johndoe@gmail.com", "Phone Number" with "+1(34)567-2346", and "Address" with "7 Java Drive, OOP City". The "Website" field contains "https://www.google.com" and the "Job Title" field contains "Software Engineer". The "Objective" field contains a large block of text: "Paragraph 1 Paragraph 1 Paragraph 1 Paragraph 1 Paragraph 1 Paragraph 1<br><br>Paragraph 2 Paragraph 2 Paragraph 2 Paragraph 2 Paragraph 2 Paragraph 2 Paragraph 2".
- Step 3: Expand And Fill Out Other Sections**: The bottom section shows expandable sections for "Accomplishments" (with a note: "No accomplishments. Please add some." and a "Add Accomplishment" button), "Education" (with a "Add School" button), and "School History" (with a "Add School" button). The "Examinations" section is also visible.

# Using Jresume Web

The image shows a screenshot of the Jresume Web interface, which is a web-based resume builder. The interface is divided into several sections:

- Step 4: Save Your Progress So You Can Edit Your Resume Again Later**
  - Buttons: Edit, Preview, Download HTML, Download PDF, default
  - Links: Export JSON Resume, Import JSON Resume, Fork me on GitHub, Donate to Project
- Step 5: Select a Theme**
  - Buttons: Download HTML, Download PDF, default
  - Links: JSON Resume, Fork me on GitHub, Donate to Project
  - A dropdown menu is open over the "default" button, showing options: default, tech, and to Project.
- Step 6: Preview Results And Download Resume**
  - Buttons: Edit, Preview, Download HTML, Download PDF, default
  - Links: Export JSON Resume, Import JSON Resume, Fork me on GitHub, Donate to Project
- Step 7: Donate If Satisfied**
  - Buttons: Download HTML, Download PDF, default
  - Links: JSON Resume, Fork me on GitHub, Donate to Project
  - A large black arrow points to the "Donate to Project" button.

# 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

<input type="text"/>	<input type="text"/>
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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  
alex.leslie.b@gmail.com

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