

**Anil Dias Davis**

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## **CAREER OBJECTIVE**

Seeking a career as Software Development Engineer with a dynamic organization that will enable me to apply my technical skills at the best of my ability.

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## **SUMMARY**

### **★ Education**

- ❑ Bachelor of Technology in Computer Science and Engineering

### **★ Technical Skills**

- ❑ Languages : Ruby, HTML
- ❑ Development Tools : Sublime Text
- ❑ Frameworks : Rails 3, Rails 4
- ❑ Technology and Tools Known : MySQL, MongoDB, PostgreSQL, Redis, Git, Poster, REST APIs
- ❑ Operating Systems : GNU/Linux (Ubuntu)
- ❑ Deployment Tools : Heroku, Cloud 66
- ❑ Web : HTML, CSS, JavaScript

### **★ Highlights**

- ❑ Over 3 years of professional experience in Analysis, Design, and Development of Ruby On Rails Applications.
  - ❑ Experience with relational and non-relational databases.
  - ❑ Sound knowledge in writing elasticsearch queries with Ruby clients.
  - ❑ Efficient learner and adapt quickly in the area of Programming Languages.
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## **WORK EXPERIENCE**

### **★ Software Engineer, QBurst Technologies (3 years - present)**

Worked as a developer in the Ruby On Rails (ROR) team responsible for analysis, design, and development of web applications using the Rails framework.

## PROJECTS

❑ **Title:** Redmine Plugin  
**Environment:** Rails 4, PostgreSQL, Redmine

**Synopsis:** A Redmine Plugin to notify assignee and watchers through push notification when an issue has been reported.

**Highlights:**

- Undergone test driven development.
- Written an API to store device token and platform info in the database.
- Integrated background job process using sidekiq library.

❑ **Title:** Recaptured  
**Environment:** Rails 4, PostgreSQL, Elasticsearch, AngularJS

**Synopsis:** Recaptured is an online photo-sharing single page web application, in which the user as a traveller can share his/her memories with other users through photo albums. The users can add collaborators to the album, so that other users as collaborators can add pictures to the album.

**Highlights:**

- Written User profile creation and retrieval APIs.
- Integrated client side HTML pages with AngularJS.
- Implemented image crop feature by using AngularJS plugins.
- Integrated elasticsearch by using searchkick library.
- Involved in daily scrum meeting with the Client.

❑ **Title:** JustSeen  
**Environment:** Rails 4, PostgreSQL, Elasticsearch, iOS

**Synopsis:** JustSeen is an online mobile photo-sharing, video-sharing iOS application, that enables its users to take pictures and videos and share them on a variety of social networking platforms such as Facebook, Twitter etc.

**Highlights:**

- Written APIs to fetch user details and album details.
- Integrated elasticsearch and performed User, Album, and Hashtag search with elasticsearch conditional queries.
- Integrated Admin panel by using active admin library.

- Prepared API documentation and hosted in apiary.
- Implemented cron job for scheduling tausing whenever gem.

❑ **Title:               Buying Guide (BG)**

**Environment: Rails 4, PostgreSQL, Elasticsearch, Cloud 66, JavaScript**

**Synopsis:**    An online interactive web application to help and advice consumer to buy products without surfing the entire internet for specifications, rather he can find out it easily by answering some simple questions.

**Highlights:**

- Written unit specs for controller and model level.
- Written feature specs using rspec and capybara.
- Implemented user authorization by using pundit gem.
- Implemented dynamic subdomain by using houser gem.
- Implemented background jobs integration by using sidekiq library.
- Successfully integrated elasticsearch and performed product search by using searchkick gem.

❑ **Title:               Product Data Manager (PDM)**

**Environment: Rails 2.3, PostgreSQL, MongoDB, Cloud 66, JavaScript**

**Synopsis:**    .

**Highlights:**

- Storing and retrieval of product specifications through MongoDB.
- Implemented background jobs integration by using delayed\_job gem.
- Integrated Highcharts with frontend for graphical representations.
- Deployment of application using Cloud 66 command line tool belt.

❑ **Title:               Pocket It.**

**Environment: Rails, Ruby, Riak, Goliath, Grape, AngularJS**

**Synopsis:**    Pocket It is a web application to socialize and share consumer brands, their usage and reviews. Developed a bunch of APIs with Riak (No Relational Database) as data storage and deployed in the AWS Server.

**Highlights:**

- Worked on the implementation of authentication and authorization

REST apis.

- Implemented apis for data storage and retrieval from Riak bucket.
- Integrated Goliath Server and Grape Framework for handling multiple light weight api requests.
- Deployed the application in AWS server with Docker engine.

❑ **Title:** Tobacco Informatics Monitoring System (TIMS)

**Environment:** Rails, MongoDB, MySQL, HTML, BackboneJS

**Synopsis:** An application that helps to monitor the Tobacco usage in Canada based on various factors and conditions. The user can make valid selections and the application will respond with required data along with a graphical representation with respect to the selections.

**Highlights:**

- Performed database denormalization.
- Performed porting of mysql database to mongodb.
- Client side integration and development using HTML, BackboneJS and jQuery.

❑ **Title:** Q-Link

**Environment:** Rails, PostgreSQL, Bootstrap, Heroku

**Synopsis:** Q-Link is an online social cum technical networking web application. Allows users to share thoughts, share images, ask technical questions with support of tags, and can even publish blogs also.

**Highlights:**

- Project is done as a part of Ruby on Rails training.
  - Implemented Google OAuth for authentication and authorizations.
  - Integrated Bootstrap template.
  - Imported google calendar events and contacts.
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## OPEN-SOURCE PROJECTS

❑ **Title:**            **zipcode\_locator Gem**  
**Environment:** Ruby

**Synopsis:**            The gem 'zipcode\_locator' uses [ZipCode APIs](#) to fetch zip code information, location information and even distance between zip codes etc.

**Highlights:**

- Created and published the gem in rubygems.org.
- Written unit test cases.
- Created wiki and github home page for documentation of the gem.

❑ **Title:**            **Rammer Gem and Web portal**  
**Environment:** Ruby, Rails, Heroku

**Synopsis:**            rammer is a framework dedicated to build high performance Async API servers on top of non-blocking (asynchronous) Ruby web server called Goliath. Rammer APIs are designed on top of REST-like API micro-framework Grape. Rammer is modular and integrates a powerful CLI called Viber to plug in and out its modules.

**Highlights:**

- Created a single page web portal which describes rammer gem.
- Deployed by using heroku.
- Integrated travis, a CI tool for running test cases.

❑ **Title:**            **Findplace Gem**  
**Environment:** Ruby

**Synopsis:**            'findplace' is a ruby gem or called as a ruby library that allows you to search for locations nearby. It uses Google API Key and Geocoder gem to provide locations which matches the search criteria based on user request current location.

**Highlights:**

- Created and published gem in rubygems.org.
  - Written unit test cases
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## ACHIEVEMENTS

- ★ Published two Ruby Gems named [findplace](#) and [zipcode\\_locator](#) in [rubygems.org](#), a ruby community gem hosting service.
  - ★ Organized and participated in Kerala Ruby Users Group and Kerala JS Meetup ([KRUG & Kerala JS Meetup](#)), conducted at Infopark Kochi.
  - ★ Secured second prize in volleyball tournament conducted by Cochin University of science and technology (CUSAT) during the year 2011-2012.
  - ★ Finalist in Best Engineers Group, a coding event at Abhiyanthriki 10 held at Rajagiri School of Engineering and Technology during the year 2009-2010.
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## ACADEMIC AND PERSONAL PROJECTS

❑ **Title :** **Supervised Learning Framework Based on Sequential Actions**

**Environment :** **Java, Neuroph Studio, Linux**

**Duration :** 1 year, Team Size : 5

**Description :** Main Project in Final year

**Synopsis:** A predicting system used to predict the behaviour based on sequential actions of any disabled persons. The first phase of the project is to capture the human actions by using a camera and store id values for corresponding frames. The second phase is to create a neural network, and trained the network with the help of a tool called Neuroph Studio. The third phase is to test the neural network and predict the behaviour of the new actions based on the trained network.

❑ **Title :** **Intruder Tracing System**

**Environment :** **Java, JPCAP Tool, JDBC, MySQL, Windows**

**Duration :** 6 months, Team Size : 4

**Description :** Mini Project in Semester 6

**Synopsis:** Sniffs Intruders IDs and MAC address using JPCAP Tool based on network security. Project will involve in creating a System that will help to trace intruders to our network. Activities on to this system are considered to be suspicious and intercept the incoming and outgoing packets.

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## SCHOLASTICS

- ❑ Bachelors in Engineering (Computer Science) from Govt. Model Engineering College, Cochin (2008 - 2012).  
**Secured 63 % marks.**
  - ❑ Higher Secondary Certificate from S.K.M.J Higher Secondary School, Kalpetta, Kerala in 2007.  
**Secured 78 % marks**
  - ❑ Senior Secondary Certificate from St. Joseph's English Higher Secondary School, Sulthan Bathery, Kerala in 2005.  
**Secured 81 % marks**
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## PERSONAL DOSSIER

Date of Birth : 01-04-1989  
Languages Known : Malayalam and English  
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