Nyaz Jaff

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Jan 2013 Jun 2016	Stannah Jun 2016 Jun 2017	Jun 2018 - First Class in Software Engineering	NetPay Nov 2018 Oct 2019	LiveLink **Oct 2019** **Present**	Side Project Nov 2020 May 2021

Pearlstone – Flutter and Ruby on Rails

• Develop and release a native app for both Android and iOS from start.
• Take requirement directly from CEO and Sales team
• Developer a backend API using Ruby to communicate with mobile app and use AWS services
• Design database and create tables using Active Record
• Generate custom PDF and send it to customers using EC2 SES
• Create REST API's for different query purposes
• Create and initials EC2 instance on AWS
• Use AWS ERD to store data
• Store files in AWS bucket
• Automate deploy using Capistrano
• Using Git branches and tags for multiple purpose
• This app is live on both Play Store and App Store. *Linkes on my website*

LiveLink – Ruby on Rails Developer

• Developing as part of a team, **US Walmart** and **UK Asda** photo section backend
• Work with Canvas and SVG
• Write automation scripts for CircleCI and automate manual work such as CHANGELOG handling and versioning
• Write TDD test cases
• Deploy to both production servers for Walmart and Asda
• Integrate NewRelic to monitor performance and pick up on issues before it is reported by client
• Using docker-compose environment to run projects
• Using tools such as RubyMine, Postman, Source Tree (Git), Sublime, Slack
• Review codes committed by others
• Lead sprint planning meetings
• Undertaken one full day Kubernetes training, provided by company
• Work using both Agile and Kanban

NetPay – Full Stack PHP Developer

• Design system and functionality based on requirements
• Working on over 10 projects and multiple projects simultaneously
• Using on daily basis: PHP, Vue.js, MySQL, Mongo, HTML, CSS, JSON and XML
• Integrating third party REST API
• Write complex and efficient SQL queries
• Work with Mongo collection to save and retrieve complex data structure
• Generating on screen PDF signature and Excel sheet for third parties.
• Using tools such as PHP-Storm, Postman, HeidiSQL, Robo 3T, Source Tree (Git), Solar-PuTTY, FileZilla, Sublime, KeePass
• Running tests against requirements
• Using docker-compose environment to run projects
• Work independently and as part of a team

Skills

• Flutter:
  - Develop native app for Android and iOS with single code base
  - Using more than 90% of available Widgets to create different layout and screens
  - Using SQFlite to store Firebase data offline
  - Implement REST call
  - Login and authentication
  - Search and complex queries
  - Use third party libraries
  - Customising theme and creating lunching icons

• Experienced with JavaScript, Html, CSS, FreeMarker, MySql, PostgreSQL, Haskell, Java, groovy script, PHP, Ruby
• Have used Java OO for university coursework to create:
  - Command line game
  - Pipe selling application
  - Student registration application connected to - MySQL using PHP
• Have used SOAP and REStful on client's project
• Developed hybrid cross platform apps using Flutter
• Experienced with CVS, SVN and Git
• Experienced with PhpFusion and WordPress
• Used Photoshop to generate icons, customise buttons and theme

Stannah – Full Stack Java Developer

• Designing screens based on user requirements
• Following MVC pattern• Using on daily basis: Html, CSS, JavaScript, FreeMarker, XML, Groovy and java• Developing android platform application using Android Studio• Using XML modelling to link the front and back end• Using SOAP services to connect to the ERP system over Glassfish server• Making Ajax calls
• Running manual and automation test
• Working with multiple business analysts to take requirements• Using Jira, Slack, Confluence on regular basis• Taking part in Agile SCRUM development

Acronym Computers – Technician

• Repairing desktops, laptops, tablets and phones
• Refurbishing computers and laptops for sale
• Screen, digitizer, Touchpad, RAM, HDD and CPU replacement
• Hardware and software (OS) upgrade and repair
• Booking and updating enquires on system
•Maintaining the business website on a weekly basis (www.AcronymComputers.co.uk)
• Give review on the daily tasks
• Lead in absence of the manager

Click & Repair - Technician

• Repair desktops, laptops, tablets and phones
• Screen, digitizer, Touchpad, RAM, HDD and CPU replacement
• Maintaining customer websites
  (www.drycleanersportsmouth.co.uk)
• Reporting progress

Education

• **BSc (Hons) Software Engineering** Sep 2013 to Jun 2018
Relevant units:
- Data Structures and Algorithms: implementation and applications of fundamental data structures (lists, trees and graphs)
- Advanced Software Engineering Management of large software projects, software quality control, software design and design patterns ...
- Reliable and Secure Systems: Practically focus on vulnerabilities that can exist in computer systems and how they can be mitigated using tools and techniques.
- Practical Data Analytics and Mining: Effectively use of databases for decision support
- Enterprise Web Architectures: Understanding web architecture and Developing MVC system from scratch.

• **Double D* BTEC Level 3 in Software** at South Downs College 2010-2013

• More than 100 hours of content learnt from Udemy to sharpen my skills and knowledge.

Final Year Project

As part of my university final year project, I took the opportunity to expand my knowledge and take on a new challenge. The outcome product was a mobile app intended to records users' behaviour while driving and produces multiple reports such as highlighting on map area where the driver could possibly improve their driving. The aim was to get drivers to drive safer.

The data collected from the app could be used from a personal level to company level where a company can provide that information to insurance providers to get lower cost insurance on following years. Something Aviva has tried.

The mobile app was developed using Java and Android Studio The backend of this app was running on raspberry pie. It contained a Java RESTful API running on glassfish container.

If I were to work on this project again, I would use different technologies and frameworks for sure.

Please refer to the poster on left to find more about the project.

Reference available on request