

CHATHU HAPUGODA

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SUMMARY

- Creative Software Engineer with 2+ years of industry experience in both Testing and Development.
- Bachelor of Information Technology (Hons) – From University of Moratuwa, Sri Lanka with a Second Upper.
- An enthusiastic team player and deep creative thinker on Agile environment.
- Increased system-efficiency by adding system testing, unit testing, and manual testing. And won quality code award 2017 from Zebra Code first program.

EXPERIENCE

Full Stack Engineer (Part Time) | Plannero Pvt Ltd, Sydney, NSW

Jan 2019 – May 2019

- Designed web frontend with React JS framework with aid of bootstrap, increased website hit rate by 20%.
- Managed testing and validation of web application, bug tracking, test case development, etc.
- Maintained code and teamwork with Bitbucket and Trello board.
- Engaged with clients, requirement gathering and negotiations.

Software Test Engineer | Zebra Technologies (Pvt) Ltd, Colombo, Sri Lanka

Feb 2016 – Feb 2018

- Gained knowledge of Test planning, Test Running, Test case creation and updating, Issue Reporting and Leading some Test cycles.
- Automated, test cases to deliver quality products on time and increased time efficiency of manual testing by 30%.
- Developed a test automation system for Zebra JPOS Driver with JAVA TestNG framework.
- Experienced in developing and maintaining of JAVA, C#, C/C++ applications on Windows and Linux platforms.
- Implemented C language program for LZSS compression and decompression algorithm to Zipp and Unzip DAT extension files, reduced file size by 50%.
- Attained Team working ability in Agile Environment and Negotiation skills with customer issues.
- Learned to handle and test different type of Barcode Scanners (Bluetooth Scanners, Handheld scanners, In-Counter Scanners).
- Created comprehensive User manuals and documentation for software components.

Trainee Software Developer | Sampath Bank PLC, Colombo, Sri Lanka

May 2014 – Nov 2014

- Engineered signature management system leveraging JAVA EE, reduced notification latency by 70% and miscommunication error rate by 20%.
- Engineered feedback system and integrated to existing e-learning system of company, improved quality of E-learning system by 10%.
- Designed user-friendly web front-end with HTML, CSS, Bootstrap framework, and JavaScript, backend using RESTful web services, oracle SQL DB and JAVA.
- Garnered experience in complete software development life cycle.
- Achieved Team working ability in software development environment.
- Collaborated code with version control system (SVN).

EDUCATION

BSc (Hons) in Information Technology | Faculty of IT at University of Moratuwa, Sri Lanka

Oct 2011 – Jan 2016

- **Achieved Second Upper with GPA 3.37**

TECHNICAL SKILLS

- **Testing Frameworks (JAVA TestNG/ Unity C#)** – Automated unit test cases and system tests of Zebra SDKs.
- **Application Development (JAVA/ C#/ C/ C++)** – Obtained knowledge during undergraduate period, trained and applied in industry for developing and enhancing software Applications.
- **Web Development (JAVA EE/ HTML/ JavaScript/ JSON/ AJAX/ ReactJS)** – Acquired at university and utilized for Web development at Sampath Bank and Plannero.
- **Database Knowledge (MySQL, Oracle SQL)** – Queried for Web development and database administration during work at Plannero and Sampath bank.
- **NetBeans, IntelliJ IDEA, Eclipse, VS Code, Visual Studio** – Leveraged for JAVA development at Plannero, Zebra Technology, Sampath Bank and University.
- **Microsoft Office Suite** – Documented user manuals, test case documents, and other writing purposes in industry and university.
- **JIRA, Bitbucket, Trello Board, SVN, Git** – Reporting issues, code collaboration, teamwork and test case management at workplace.

OTHER SKILLS

- **Communication and interpersonal** - Gained communication skills during working as software engineer and University.
- **Teamworking** - Received team working skill through professional experience as software engineer and Agile environment.
- **Language** - English - Professional working proficiency (Academic IELTS 6.0).

ACHIEVEMENTS

- 2nd place in 2016 and 2017 from Zebra's Annual innovation tech show held in India.
- Awarded quality coder Prize at "Zebra's Code Challenge".

PROJECTS

Cricket Management Application | Personal project

May 2019 - Present

- A web application is being constructed to facilitate cricket managers, coaches and tournament organizers to make day to day tasks easier.
- Users can manage cricket tournaments, matches and score live matches.
- To assist managers to make robust decisions regarding teams and players by generating smart statistics based on history.
- Technologies - Django, ReactJS, PostgreSQL, Dockers, Bitbucket.

Automatic Task Scheduling System | Plannero project

Jan 2019 - April 2019

- Boosted efficiency of individual workers (Freelancers) by designing and developing a web application to manage and schedule daily tasks.
- Plannero algorithm able to schedule task based on deadlines and priority.
- Integrated google calendar to sync existing events with extended events.
- Leverage react big calendar, Django rest framework and add social sign on.
- Technologies - Django, ReactJS, MySQL, AWS elastic beanstalk, Bitbucket.

Automatic Product Detection at Point-Of-Sale | Zebra Innovation Project

May 2017 – Nov 2017

- Constructed a module to detect products with or without barcode at Point of Sale (POS).

- Utilized weight and grayscale images as data set to determine classification model via TensorFlow framework.
- Created deep learning model to classify products and items at POS with 80% accuracy.
- Technologies - C# WinForms UI, JAVA, TensorFlow framework, Python.

System for detecting barcode changing or switching | Zebra Innovation Project

May 2016 – Nov 2016

- Developed system to compare barcode images to detect tracking of miss use.
- Applied SIFT image processing methodology to identify key points of images and mapping those images to identify similarities.
- Technologies - C# WinForms UI, JAVA, OpenCV, C++.

Automatic Highlights generator for Soccer | Final Year project at University of Moratuwa

Feb 2015 – Nov 2015

- Implemented a desktop application to extract highlight from completed soccer match automatically leveraging computer vision technologies.
- System can produce full soccer highlight package, event-based highlight package (only Goals, only bookings).
- Video, text and Audio features of Soccer Video has been employed to identifying exciting event of soccer match.
- Technologies - C++, OpenCV, Tesseract OCR, Aquila (Audio processing library), Git.

Sampath Signature Viewer | Sampath Bank internal Project

May 2014 – Nov 2014

- Constructed a web site to manage Signatures of employees at Sampath Bank with difference user levels.
- Upgraded manual system to an automatic and dynamic system with 70% of accurate for daily transactions between B2B.
- Technologies - JAVA EE, oracle SQL, Web Servers, HTML, CSS, Bootstrap framework.

REFEREES

Referees available upon request.