



Universal Acceptance

Help Wanted: Senior Developer

Application Deadline: **23:00 UTC 1 February 2018**

Send Applications to: don.hollander@icann.org

The Work

The UASG is looking for a software development practitioner to be part of a very small team to advocate and advance the cause of Universal Acceptance (UA) and Email Address Internationalisation (EAI).

The role can be filled by an individual or an organisation.

The practitioner will have both direct programming experience and experience managing small and focused teams of developers, fixing specific problems to a defined time and dollar schedule.

The role will include:

- Getting open source programming language libraries UA & EAI Ready. This will include direct coding as well as managing a program to get others to get code UA & EAI Ready. This may be akin to a Bug Bounty program or by managing contracted parties or some other method.
- Managing engagement with developers to help them get their own code UA & EAI Ready
- Performing technical analysis of UA and EAI states of readiness. In particular this will involve creating multiple mail platforms and creation of automated test suites to analyze and report on EAI readiness of different software.
- Producing an Automated UA evaluation tool (details below)
- Preparing Reports and Documentation and Presentations
- There may be some International travel
- Support the UASG Team

Expected Results (First year)

- EAI – Email Address Internationalisation
 - Complete review and publish report of significant email software and services for EAI Readiness (The process should be readily replicable)
- Open Source Programming Languages
 - Remediation of at least twelve of the most popular programming language libraries to become UA Ready. Ensure publication of remediation by programming language library maintainers
- Developer Engagement
 - Establish an active and vibrant UA & EAI forum in GitHub, StackOverflow and other relevant forums
- UA Evaluation Tool
 - Create a tool (deployed on a web site and/or apps) that will be able to check client side websites for most common UA issues. See <http://internet.nl> or <http://www.css-validator.org/> for examples.
- Reports and Presentations

Universal Acceptance Steering Group

visit/ www.uasg.tech /

email/ info@uasg.com /



- o Produce reports and technical evaluations of the state of UA Readiness and EAI Readiness that can be used by developers toward getting their code UA Ready
- o Present to a variety of technical (and non-technical) forums to promote Universal Acceptance and adoption of EAI
- General Support of the UASG's technical endeavors

Your Experience

The following experience will be desirable:

- Experienced developer fluent in multiple programming languages and libraries
- Evidence of active participation in development communities – including GitHub, StackOverflow and others.
- Experience establishing and operating multiple email environments
- Experience working with remotely hosted virtual machines
- Fluent in English – Reading, Writing, Speaking and Presentation
- Fluency in another language will be useful, particularly a non-Latin-script based language.
- Understanding and experience using RFCs and W3C Guidelines.
- An understanding of UA and EAI

Minimums:

6 years of development experience

2+ years of team lead or equivalent experience

Product cycle development and deployment experience

Automation experience

App writing experience

Structure

This could be filled by an individual or group of individuals.

There is no restriction on location.

This could be full-time or part-time to suit the individual.

Some international travel may be involved.

Background

Universal Acceptance is a foundational requirement for a truly multilingual Internet, one in which users around the world can navigate entirely in local languages. It is also the key to unlocking the potential of new generic top-level domains (gTLDs) to foster competition, consumer choice and innovation in the domain name industry. To achieve Universal Acceptance, Internet applications and systems must treat all TLDs in a consistent manner, including new gTLDs and internationalized TLDs. Specifically, they must accept, validate, store, process and display all domain names.

The Universal Acceptance Steering Group is a community-based team working to share this vision for the Internet of the future with those who construct this space: coders. The group's primary objective is to help software developers and website owners understand how to update their systems to keep pace with an evolving domain name system (DNS).

More information about the UASG can be found at www.uasg.tech



Universal Acceptance

This position will be as a contracted provider of service. It will not be an employee relationship.

Normal contractual process with ICANN (a US based not-for-profit) will be required.

Next Steps

Please provide us with:

- A brief statement of interest and why you want to do this work and why we should want you to do this work.
- A CV
- A sample of similar activity
- A rate (please indicate currency) inclusive of all costs and basis of the rate.
- Full contact details
- Two referees

Deadline for receipt of expressions of interest: **23:00 UTC 01 February 2018**

Send completed expressions to: don.hollander@icann.org

If you have any questions, please send those to don.hollander@icann.org. Please allow 24 hours for answers.

We expect to reach out to a short list of candidates within one week of the closing time.