UCD Application Developer Survey 2017

Q38 Welcome
The purpose of this survey is to get a better understanding of the developer community at UC Davis including information about their team, their tools, and their opinions on how well the UC Davis developer community is doing.
Results are anonymous but you will be asked to optionally give your contact information in case we have any follow-up questions.
This survey is not for judging the practices of any given team but rather to better analyze UC Davis as a whole.
 
Some questions may imply a programmer team. It is okay if you are the sole programmer in your unit.
Thank you for taking the time to fill it out. The survey takes about 10-15 minutes.

Q39 Questions About You

Q40 What is your gender? (Optional)

* Female (1)
* Male (2)
* Non-binary / third gender (3)
* Prefer to self-describe: (4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Prefer not to say (5)

Q42 Transgender is an umbrella term that refers to people whose gender identity, expression or behavior is different from those typically associated with their assigned sex at birth. Other identities considered to fall under this umbrella can include non-binary, gender fluid, and genderqueer – as well as many more.Do you identify as transgender? (Optional)

* Yes (1)
* No (2)
* Prefer not to say (3)

Q43 What's your salary range at UC Davis? (Optional)

* Below $20,000 (1)
* $20,000 - $40,000 (2)
* $40,000 - $60,000 (3)
* $60,000 - $80,000 (4)
* $80,000 - $100,000 (5)
* Above $100,000 (6)

Q44 Which best describes your affiliation at UC Davis?

* Full-time staff (1)
* Part-time staff (2)
* Contract staff (3)
* Undergraduate student (4)
* Graduate student (5)
* Faculty (6)
* Researcher (7)
* Other (8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q26 Questions About You and Your Team

Q34 Do you consider application development your primary role?

* Yes (1)
* No (2)

Q1 What percentage of time do you act in the role of an application developer (as opposed to service help, systems administration, etc.)

* Less than 25% (1)
* 25%-50% (2)
* 50%-75% (3)
* More than 75% (4)

Q13 How many developers do you work with for a typical project (developers per project, not necessarily all developers in your unit)?

* Usually by myself (1)
* 1-2 other developers (2)
* 3-5 other developers (3)
* 6+ other developers (4)

Q24 Do you employ any student programmers?

* No (0) (1)
* 1-2 (2)
* 3-4 (3)
* 5+ (4)

Q19 How many developers are on your team (regardless of whether they all work on the same project)?

* 1 (1)
* 2-3 (2)
* 4-8 (3)
* 9+ (4)

Q32 How many applications do you / does your team maintain?

* 0-2 (1)
* 3-5 (2)
* 6-10 (3)
* 11+ (4)

Q46 What is your largest application by campus user count? (i.e. how many users?)

* 1-10 (1)
* 11-50 (2)
* 51-100 (3)
* 101-200 (4)
* 201-300 (5)
* 301-400 (7)
* 401-500 (8)
* 500+ (9)

Q33 How many applications do you usually work on at a given time?

* 1 (1)
* 2 (2)
* 3+ (3)

Q35 Do you typically work with designers for page layout, HTML/CSS, etc.?

* Almost all the time (1)
* Most of the time (2)
* On a few ocaasions (3)
* Rarely or never (4)

Q47 Which dedicated development roles can be found in your team? Check all that apply.
Note: If you are the sole member of your team, you're probably a full-stack developer.

* Full-stack developer (does everything) (1)
* Frontend developer (specializes in browser Javascript) (2)
* Backend developer (specializes in server-side concerns) (3)
* DevOps engineer (specializes in deployment concerns) (4)
* Testing developer (specializes in writing tests) (5)
* System administrator (maintains servers) (6)
* Other (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q27 Questions About Your Technology Stack

Q2 Which of the following languages do you actively use? Check all that apply.

* ColdFusion (1)
* PHP (2)
* Python (3)
* Perl (4)
* Ruby (5)
* C# (6)
* Java (7)
* Javascript (8)
* Objective-C (9)
* Swift (10)
* Other (please specify) (11) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q4 Which of the following languages do you use only for maintenance (existing applications whose language you would not choose in the future)? Check all that apply.

* ColdFusion (1)
* PHP (2)
* Python (3)
* Perl (4)
* Ruby (5)
* C# (6)
* Java (7)
* Javascript (8)
* Objective-C (9)
* Swift (10)
* Other (please specify) (11) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No languages used for maintenance only (12)

Q48 Which best describes your approach to technology adoption (new languages, new tools, new architectures, etc.)?

* Bleeding Edge (uses beta technology) (1)
* Cutting Edge (uses new technology shortly production release) (2)
* Moderate (neither cutting edge nor slow adopters) (3)
* Slow Adopters (often wait years before using new technology) (4)
* Dinosaurs (can't or won't adopt new technologies) (5)

Q23 What database(s) do you use for your projects? Check all that apply.

* Oracle (1)
* MySQL (or MariaDB) (2)
* SQL Server (3)
* PostgreSQL (4)
* MongoDB (5)
* MS Access (6)
* SQLite (7)
* Apache Derby (8)
* FileMaker (9)
* Other (please specify) (10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No databases used (11)

Q9 Do you use source control management? Check all that apply.

* Github (1)
* Bitbucket (2)
* Sourceforge (3)
* Git (without the above services) (4)
* Subversion (without the above services) (5)
* CVS (without the above services) (6)
* Team Foundation Server (7)
* Other (please specify) (8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No (9)

Q14 Do you use any automated testing frameworks? Check all that apply.

* Jasmine (1)
* Junit (2)
* Nunit (3)
* TestNG (4)
* Minitest (Rails) (5)
* Mocha (6)
* Other (please specify) (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No usage of automated testing frameworks (8)

Q5 Do you engage in dynamic/frontend development in new projects?

* Yes, using AngularJS, BackboneJS, React, or another modern framework (1)
* Yes, but using mostly jQuery without the frameworks mentioned above (2)
* Not really, but there are some snippets of Javascript on my pages (3)
* No (4)

Q6 Do you use any cloud-hosted services for your applications? Check all that apply.

* Amazon AWS (1)
* Microsoft Azure (2)
* Heroku (3)
* Rackspace (4)
* Other (please specify) (5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No usage of cloud-hosted services (6)

Q10 What editors/IDEs do you use to develop? Check all that apply.

* Visual Studio (1)
* Eclipse (2)
* IntelliJ-based (3)
* Vim (4)
* Emacs (5)
* Atom (6)
* BBEdit/TextWrangler (7)
* NetBeans (8)
* XCode (9)
* Other (please specify) (10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q11 Do you do any native application devleopment (i.e. non-web, targeting Win32, iOS, Android, GTK+, QT, etc.)? Check all that apply.

* Windows applications (1)
* OS X applications (2)
* Linux applications (3)
* Android applications (4)
* iOS applications (5)
* Windows Phone applications (6)
* Other (please specify) (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No native application development (8)

Q12 What online resources do you use while developing? Check all that apply.

* StackOverflow (1)
* Project/library-specific mailing lists or Google Groups (2)
* IRC (3)
* Slack (4)
* MSDN (5)
* developer.mozilla.org (6)
* Other (please specify) (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No online resources used while developing (8)

Q15 Do you automatically monitor your applications for any of the following? Check all that apply.

* Backend exceptions (1)
* CPU or memory usage issues (2)
* Frontend Javascript exceptions (3)
* Responsiveness issues (time-to-render) (4)
* General availability (pings, etc.) (5)
* Other (please specify) (6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No usage of automatic application monitoring (7)

Q17 Which of the following campus services do your applications use? Check all that apply.

* LDAP (1)
* IAM (2)
* Banner (3)
* Campus Data Warehouse (4)
* PPS (5)
* ICMS (6)
* Other (please specify) (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No campus services used (8)

Q21 Do you currently or plan to open source your projects?

* No (1)
* No, but maybe someday (2)
* Yes, but only privately on github.com/ucdavis or other staff-only sites (3)
* Yes, some privately on staff-only sites but some open to the greater public (4)
* Yes, all our code is open to the greater public (5)

Q22 Do you use any security scanners or code analysis tools (such as IBM App Scan)? Check all that apply.

* Dynamic scanners (IBM App Scan) (1)
* Static analysis scanners (2)
* CVE dependency scanners (3)
* Other (please specify) (4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No security scanners used (5)

Q25 What types of upcoming technologies would you like to see training for? Check all that apply.

* Docker (1)
* AngularJS 2 (2)
* ReactJS (3)
* MongoDB (4)
* AWS (5)
* Azure (6)
* Service Now (7)
* PowerBI (8)
* NodeJS (9)
* SASS / Less (10)
* Other (please specify) (11) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Not interested in any upcoming trainings (12)

Q49 Questions About Your Management

Q50 Do you feel there is administrative support for the work you do?

* Yes (1)
* No (2)
* Other (please specify) (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q51 Does your unit favor buying products over building them, or vice versa?

* Buy over Build (1)
* Build over Buy (2)
* No clear trend (3)

Q53 How would you rate the morale of your unit? (e.g. job satisfaction, outlook, feelings of well-being)

* High (usually positive) (1)
* Neither high nor low (2)
* Low (often negative) (3)
* Prefer not to say (4)

Q34 Questions About The Community

Q35 Have you or your team ever worked with another development team on campus?

* Yes, often (1)
* Yes, but not often (2)
* No (3)

Q36 Do you participate in any campus-wide mailing lists (tsp-share) or attend any SIG?

* Yes (1)
* No (2)

Q37 How would you rate your sense of connectedness to other campus developers outside your unit?

* Very well, I know many other developers on campus. (1)
* Good, but I wish I knew more developers. (2)
* Not well, I know only a handful of other developers. (3)
* Poor or non-existent. (4)

Q52 If you need access or information about a campus system or practice, how difficult is it to find a satisfactory answer?

* Easy to find answers (well-documented, responsive point of contact, etc.) (1)
* Neither easy nor hard to find answers (2)
* Often hard to find answers (many days, e-mails, phone calls required) (3)
* No opinion (4)

Q28 Opinions About The Future

Q8 What do you think the greatest strengths are in developing applications specifically at UC Davis, if any?

Q7 What do you think the greatest challenges are in developing applications specifically at UC Davis, if any?

Q18 Would you be interested in greater application developer communication and collaboration across campus?

* Yes, absolutely (1)
* Yes, but I may not have time for any significant commitments (2)
* Maybe, it depends on the details (3)
* Probably not (4)
* Not at all (5)

Q20 Is there anything we should add for future surveys?

Q29 Optional
(Will not be published)

Q30 Who are you?

Q31 What unit do you work for?