# Kevin Casey

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## SENIOR SOFTWARE ENGINEER
### SKILLS
**Programming Languages** | JavaScript/Typescript | Python | HTML | CSS | Ruby | Objective C
**Frameworks** | React | MongoDB | D3 | Presto SQL | MySQL | Recoil/Redux | React Native | GraphQL | Rails | Django

## PROFESSIONAL EXPERIENCE

**Snackpass,** Remote, CA                                                                 **July 2023 – Present**
**Senior Software Engineer**
Tech lead responsible for the end to end functionality for Physical Gift Cards, Digital Gift Cards and SMS campaigns. For all three projects I worked together with a UX designer and Product Manager to deliver delightful experiences that retain both our partner restaurants and end customers of Snackpass.
- Worked together with two new grad engineers, offering them mentorship.
- Handled complexities such as Payout accounting, purchase processing, billing and Twilio usage.

**Facebook,** Menlo Park, CA                                                               **June 2016 – June 2023**
**Senior Software Engineer**
Worked on Internal Tools at Facebook for 7 years as a full-stack web developer for the Mobile Performance and Reliability Engineering teams. Responsible for prioritizing and implementing features to better the ability to improve these spaces.
Main developer to prove the usefulness of Call Graphs for Performance analysis which we later patented (10365905).
Full stack developer, featuring walking customers through performance regressions, python trace processing, SQL optimizations for both storage and speed, UI in D3 of distributions, gantt, icicle. This commonly allowed our customers to find and fix performance regressions of around 3-10% (around 10-300ms).
Core team member for 2 years on the open-source Android library profilo, featuring python to unwind stacks for OS 9, and C++/Java to gather new performance data to be analyzed and optimized upon from the android phones.
Mentored a total of 3 summer interns, and 6 new hires, as well as advised newer team members.
2 years on visualizations for Reliability metrics, featuring driving alignment on how to measure metrics, solving strategic ownership of organizations, data analysis, SQL and heatmap visualizations, allowing teams to discover best practices and Org Champions to run campaigns to improve reliability metrics for their organization.
Typically worked on 1-3 months long projects, in conjunction with a designer and figuring out business needs from other Facebook employees. Innumerable times, prioritized customer needs to drive these tools from ~5 DAU to ~300 DAU.

**Facebook,** Menlo Park, CA, **Software Engineering Intern**                               **May 2015 – August 2015**
Part of the iOS News Feed Team
Improved the offline capabilities of all table/collection views in Facebook iOS.

**UC Berkeley, Graduate Student Instructor**                                              **September 2014 - May 2015**
Taught CS169 (Software Engineering) at Berkeley. Lead discussions sections, weekly team meetings and created tutorials.
Mentored 7 teams of 4-6 people with Node, Django, Rails, iOS, Android, and HTML by discussing best practices, bugs, and team decisions.

**GoDaddy,** Sunnyvale, CA, **Software Engineering Intern**                                **May 2014 – August 2014**
Developed on the Online Store product built on top of Spree in Ruby on Rails

## EDUCATION
**Bachelor of Science (BS), Electrical Engineering and Computer Science**
University of California, Berkeley **Graduation**: May 2016, **GPA**: 3.86
**Achievements**: Shipped a native iOS app under the UC Berkeley name, won multiple hackathons and school project contests.
**Relevant Coursework**: Software Engineering, Artificial Intelligence, Machine Learning, Computer Security, Algorithms, Operating Systems, Databases, Networking, Macintosh Developers, Mobile Entrepreneurship.