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# Dev Purkayastha

## Software Engineer

Experienced full-stack developer. Let's build great products for our users.  
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### EXPERIENCE

#### **Google, New York, NY** - *Software Engineer, JUL 2014 - AUG 2021*

Online music services (Google Play Music and YouTube Music).

- Developed features for server-driven client rendering infrastructure, including a design refresh and the development of new UI components (through initial design, API development, client integration, and the launch process). The new user experience led to increased app usage.
- Implemented ad integration into the web music client, connecting a complex app with asynchronous ads and music APIs. This work enabled a free music experience and resulted in new users, sizable monthly impressions, and new ad deals.

#### **Songza, New York, NY** - *Software Engineer, NOV 2012 - JUL 2014*

Online music service, serving tailored music playlists. Acquired by Google.

- Developed the frontend for a well-received refresh of the web experience, using Python, Javascript & CSS (with various frameworks). The resulting UI delivered uninterrupted music playback with a smooth app-like UI, while juggling non-trivial user states and the affordances and limitations of the web.

#### **Eleven Learning, Cambridge, MA** - *CTO, FEB 2009 - NOV 2012*

Educational publishing startup for delivering better online textbooks.

Member of Imagine K12 startup incubator (2011).

- Developed all parts of the experience:
  - web-based textbook reader with annotation and highlights
  - peer-authoring tools, allowing non-technical professors to collaborate on open-source textbooks
  - text-processing admin tool, used by external contractors

#### **Independent Contractor** - *Web Developer, FEB 2009 - NOV 2012*

Worked with various clients, from pre-launch startups to established teams.

- Developed backend APIs for mobile applications.
- Developed for multiple enterprise-level Rails applications in the financial space (lending, investment).

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**Auburn Quad, Cambridge, MA** - *Web Developer, JUL 2008 - FEB 2009*

Online community fundraising software; primarily used with ActBlue, a market leader in political fundraising. (Now operating as ActBlue Technical Services.)

**Sconex & Sugarloot, Cambridge, MA** - *Tech Lead, FEB 2006 - JUL 2008*

Social networks for the youth audience. Acquired by Alloy Media & Marketing.

**BzzAgent, Boston, MA** - *Web Developer, AUG 2004 - FEB 2006*

Marketing startup using a web app to communicate with influencers.

**Liquid Machines** - *Software Developer, JUN 2004 - AUG 2004*

Developers of encryption software for a Windows environment.

## EDUCATION

**Harvard University, Cambridge, MA**

*B.A., Computer Science, 2004*

## SKILLS

**Languages:** Ruby, Python, Javascript, CSS3, Java, PHP, C & C++.

**Frameworks:** Rails, Sinatra, Django, Node.js.

**Methodologies:** databases (relational and schemaless), microservices architecture, server-side rendering architecture, automated integration and deployment, testing and test-driven development.

## OTHER INTERESTS

**Game design:** co-produced the award-winning board game *Companions' Tale*, with a successful crowdfunding campaign and fulfillment.

**Teaching:** Teaching Fellow at Harvard College (Fall 2009 - Summer 2010); and the Berkman Center "Ruby on Rails workshop for Women" (Fall 2009).

**Music curation:** interviewed by Refinery29 about a playlist I curated for Google Play Music ("This Drake Playlist Is Basically Fan Fiction Come To Life").