Pranav Mayuram

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🏠 Cupertino, CA

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I am currently a Sophomore engineering student at the University of Michigan working towards a degree in Computer Science. I have built full stack web applications with a strong interest on the back-end. I feel that I have a keen eye for design, which helps me better envision the product as a whole. This allows me to design the back-end to be more modular for it to be most helpful from a front-end perspective.

Skills

Web Development Back-End
Couchbase Server
Node.js (Express Framework)
Web Development Front-End
Angular.js
HTML5/CSS3
Angular Material Design
Mobile
Ionic Framework
Swift (Beginner)
Core Languages
C++
GoLang (Beginner)
Query Languages
SQL
N1QL (Couchbase SQL for JSON docs)
Other Skills
User/Design Documentation
Technical Blogging
Github
REST APIs
Bash Scripting

References

Gerald Sangudi
gerald@couchbase.com
Chief Architect, Query Engine

Keshav Murthy
keshav@couchbase.com
Director, Query Engine

Education

University of Michigan Ann Arbor - 2018 (expected)
B.S.E. Computer Science in School of Engineering - GPA: 3.45
Awards & Honors: Dean's List 2014-2015
Activities: EECS 399 (Database Research), Seven Mile Music

Work Experience

Couchbase, N1QL Query Engine Intern
Mountain View, CA   (May 2015 - August 2015)

- Developed social networking framework, Touchbase, with Node.js (Express), Couchbase Server, Angular.js and an Angular Material Design UI.
  - Built Touchbase using RESTful architecture and a series of REST APIs.
  - Made customizable for different use cases with a 'config.json' file.
  - Wrote in-depth design documentation & technical blogs abt Touchbase.
  - Contributed to the Couchbase Node.js SDK, & N1QL documentation.
  - View project at: https://github.com/couchbaselabs/touchbase.
- Developed areas of N1QL query engine's testing framework, written in Go.
  - Have a strong grasp of query language by writing many complex queries.
  - Automated parts of dev using Bash scripts to generate GoLang code.
- Fast-paced startup following Agile methodology. Conversant with full dev cycle of a product using Git code management and JIRA bug tracking.

LSV Asset Management, Intern
Chicago, IL   (June 2013 - August 2013)

- Analyzed and generated daily cash-flow reports for all LSV traders. Used Excel for data analysis and visualization.
- Helped with crucial, global market trades using software like Charles River.

Projects

University of Michigan Database Research (EECS 399)
(September 2015 - Current)

- Building a REST API to search alumni who are no longer in touch with UM, using social media APIs and Node.js. Working under Professor H V Jagadish.

CrowdPlay
(September 2015 - Current)

- Developing mobile app to crowdsource music playlists with Soundcloud API. Users add and vote for songs, and they are queued in order of highest votes.
- Honorable mention from LinkedIn for Most Professional Hack at MHacks 6.
- Built using Ionic framework, Angular.js, Node.js (Express) and Couchbase.
- View project at: http://devpost.com/software/crowdplay-a7us4q.

University of Michigan CPAP Bank
(August 2015)

- Developed website for U of M CPAP (sleep apnea machines) Bank to inform locals about how to donate and receive aid from the organization.
- Built with Angular.js, Node.js (Express) and Couchbase to track donations.
- View project at: https://github.com/pranavmayuram/UMich-CPAP-Bank.

OutsideHelp
(July 2015)

- Developed at OutsideHacks 2015, OutsideHelp is an application to allow medical volunteers at concerts to find people in need using geo-location.
- Built with Node.js (Express), Angular.js, Couchbase, Socket.io, and MDL.
- View project at: https://github.com/pranavmayuram/OutsideHelp.