Vania Budiman

Full-Stack Software Developer

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Portfolio: vaniabudiman.com

Technical Skills

Proficient	JavaScript, Ruby, Python, Java, HTML, CSS, SQL, XML
Prior Experience	C++, C, PHP, R, x86 Assembly
Tools & Environments	Git, Unix/Linux, Selenium, WebStorm, Eclipse, Android Studio, Xcode, Vim, Emacs

Work Experience

Software Developer (Intern) · SAP   May – Dec 2016

- Worked on SAP Jam, an enterprise social collaboration web app with 34+ million subscribers
- Full-stack web development with Ruby on Rails, JavaScript (Backbone.js, jQuery), MySQL, Sass
- Implemented workflow for uploading photos, videos, documents from postboxes to newsfeed
- Integrated personal data distributed across multiple tables from external sources to create user profile
- Developed group admin feature of bulk managing 100,000+ group members simultaneously
- Demoed new features to 70+ member audience; wrote unit (QUnit, PhantomJS) & automated tests (Watir)

Software Developer (Intern) · EnerNOC   Sep 2014 – Apr 2015

- Developed energy management dashboards in JavaScript (Node.js, Knockout.js, Promise, Angular, Express)
- Visualized energy data (D3.js, Highcharts); integrated utility-specific tracking (Google Analytics)
- Implemented energy dashboard theming for different utilities; created landing page for dashboard
- Wrote JavaScript unit & integration tests (Expect.js, Sinon, Mocha); automated tests in Python (Pytest)
- Delivered energy analytics dashboards to 6 different energy utilities (BC Hydro, Ergon Energy, etc.)
- Interviewed 17 applicants for software developer internships in web app & platform teams

Education

Bachelor of Science, Computer Science · University of British Columbia   2012 – 2017

Minor in Psychology · Specialized in Software Engineering & Human-Computer Interaction

Projects

Trip Planner Android App · JavaScript (React Native, Redux), Python (Flask), SQLite   Feb – Apr 2017

- Worked on search for popular tourist attractions (Google Places API); allow attractions to be bookmarked
- Developed the filtering of events: using search bar, selecting a date on a calendar, selecting marker on map
- Designed and implemented REST API calls for adding, deleting, editing bookmarks and events
- Implemented offline mode using local persistent storage (Realm DB) which allows users to view trips, bookmarks, events, and transportation details without needing Internet connection
- Demo: www.youtube.com/watch?v=3NAfAnQwuWY

HSBC Desk Reservation Web App · JavaScript (React, Redux, Node.js), MySQL   Jan – Apr 2017

- Led weekly meetings with HSBC stakeholders who requested the reservation app; appointed as project & development manager; managed team of 6 other developers; worked as lead UI designer
- Implemented adding, editing, and deleting building locations; users can add desks into these locations
- Wrote Mocha tests for operations on locations; created interface that is mobile-friendly and responsive
- Added zoomable map into the app; system displays a map that corresponds to the floor the user selects

Extracurriculars

- Teaching Assistant (2014-2016) - led programming workshops for TechTrek, The Next Big Thing, GIRLsmarts
- UBC e-Portfolio Competition Winner (2015) - received most votes from CS department students
- UI/UX Designer for MyPlanet Fellowship (2014) - designed UI for the "Humans of Gastown" project; ran prototype studies and collected user data from in-person interviews and surveys