Ian Duke

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Work Experience

Junior Developer, The Farm Ventures — Sep 2017 - Sep 2018
- Crafted mobile games for iOS & Android using NativeScript (TypeScript & Angular).
- Built useful, modern web apps with React & Webpack.
- Wrote efficient & robust server-side code in PHP (Slim/Laravel) and SQL.
- Improved code coverage by writing feature tests for new endpoints.

Flight Safety Manager, Air Canada — Jul 2012 - May 2017
- Provided expert feedback to pilots regarding Air Safety Reports and matters of fatigue & OSH.
- Managed complex studies and supported requests for safety data from a range of clients including Branch Managers, Business Intelligence and Executive Management.
- Generated presentations highlighting safety statistics, hazards, trends, and top concerns.

Safety Analyst/Specialist, Air Canada — Sep 2009 - Jun 2012
- Authored statistical and technical info for a variety of internal and external stakeholders.
- Received, coordinated, and addressed safety issues reported by flight crews.
- Identified and investigated latent risks & monitored effectiveness of corrective actions.
- Developed safety metrics & benchmarked AC against peer carriers to enhance safety picture.

Projects

Catch Driver ⬈ — Aug - Sep 2018
- Built the in-game store and implemented logic for App Store & Google Play purchases.
- Created components, views, and API endpoints for player rankings and statistics.
- Developed core functionality for the game's Admin Tools (React/Laravel)

nudgeflow.com ⬈ — Dec 2017 - Aug 2018
- React-based kanban board for teams and companies.
- Wrote much of the logic for signup, managing user stories, tasks, time tracking, invoicing.
- Laravel backend with Slack webhook integration.

Off and Pacing ⬈ — Sep 2017 - Aug 2018
- Designed, built, and implemented in-game achievements to improve user retention.
- Automated the tools for game season generation, increasing workplace productivity by 150%.
- Worked on new features, bugfixes, UI/UX improvements, and 2D raceviewer graphics.
- Implemented push and local notifications for players.

Pairwise mentoring platform ⬈ — July 2017
- A project-driven mentoring platform built with Rails/Postgres, deployed on Heroku.

Education

Lighthouse Labs, Web Development (Immersive) — 2017
Georgian College, Ontario Advanced College Diploma in Aviation Mgmt — 2006 - 2009

Volunteering

Goodyear Toastmasters - Speaker, Leader, and Mentor
Improved my communication and leadership skills and helped others in need of feedback and mentoring. Served as Club VP of Education for 2013-14 and as Club Secretary for 2015-16 term.

Skills

Languages
JavaScript, TypeScript, PHP, Ruby, GraphQL (developing capacity)

Libraries & Frameworks
React, Node.js, Express.js, NativeScript, Laravel, Angular, jQuery

Databases
Postgres, MySQL, MongoDB, Amazon RDS

DevOps
Heroku, AWS, Netlify, CircleCI, Zeit Now, Laravel Forge

Hackathons

Elevate Conference	Fall 2018
Facebook Messenger Bots	Winter 2017
Gift the Code	Fall 2017
ArthritisHack	Fall 2017