



Miceal Gallagher

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BIOGRAPHY

- 20 years of software development experience
- 5 years leading teams
- 3 years leading engineering

SKILLS

- Non violent communication
- Project Management
- Conflict Resolution
- Meeting MC
- Social

EDUCATION

Bachelor of Software Engineering

University of Ulster Jordanstown

Certification in Ecovillage Design

Damanhur, Italy - Gaia Education

TECHNOLOGIES

Languages: Kotlin, Java, SQL, PHP and NodeJS

AI/ML Tooling: Cursor, Claude Code

Infrastructure: AWS, GCP, Firebase, Vercel, DigitalOcean, Linode, Docker

UI/UX: Typescript, Zod, React-Router, TanStack, React Hook Form, React Saga, React-Query, TailwindCSS, Bootstrap, CSS, Material UI, Ant Design, Figma, Storybook, React, Angular, SolidJS, Vue

Datastores: MongoDB, MySQL, Redis, RabbitMQ, Elasticsearch, PostgreSQL, SQLite, MS-SQL, MySQL

EXPERIENCE

Eci Solutions - Lasso CRM, Lead of Engineering Feb 2017 – present

- Serve a team of 7 developers to deliver frontend and backend solutions
- Leverage AI agentic workflows to decrease time-to-market and increase code quality
- Collaborate with backend engineers to deliver scalable solutions
- Conduct interviews, employee reviews, 1-2-1s, standups, performance reviews, retrospectives and company updates
- Contribute to Kotlin, Java, SQL, PHP, React, Angular, Vue and NodeJS repos
- Configure, refine and maintain CI/CD pipelines
- Facilitate team training and knowledge sharing sessions
- Utilize MongoDB, MySQL, Redis, RabbitMQ and Elasticsearch datastores
- Establish AWS infrastructure and deliver ongoing AWS cost reductions measures
- Construct automated integration, E2E, snapshot and unit tests
- Work closely with UI/UX designers to deliver polished user experiences
- Conduct user focus testing, prioritize feedback and schedule improvements while measuring impact with NPS metrics

Synopsys, Senior Software Engineer Feb 2013 – Feb 2017

- Contribute to Java GWT client and server codebase
- Author PostgreSQL schema migrations
- Maintain installer upgrade paths for Linux and Windows
- Conduct onsite license compliance audits

Kana Software Inc, Intermediate Software Engineer Sept 2022 – Apr 2023

- Maintain ETL processes and pipelines with Microsoft Business Intelligence
- Develop and maintain CRM system using Ciboodle's suite of products

MFormation, Intermediate Software Engineer Jan 2022 – Sept 2022

- Contribute to client and server JSP codebase
- Prototype new UI concepts using jQuery Mobile
- Overhaul navigation menus to optimize user experience

ICONI Software, Junior Software Engineer Aug 2009 – Dec 2011

- Contribute to several ASP.NET C#, Javascript, MS-SQL codebases
- Provide on call support for customer base
- Deliver on-site training sessions for new customers
- Requirement gathering with prospective clients

Ripfactory, Junior Software Engineer Apr 2006 – Dec 2008

- Provide customer support
- QA Testing of in house developed hardware and software
- Contribute to Multithreaded C#, iTunes SDK and SQLite desktop app

PROJECTS

Remixed - Web Developer

<http://remixed.online> is a listening experience where participants explore what *change* means to them

- Live demo available at remixed.online use code 19999
- Collaborate with lead artist to deliver artistic vision
- Remixed has been performed in venues across Canada as installation art
- Light weight React SPA with fault tolerant audio download
- Leveraging `redux-saga` and `howler.js` to deliver time and environment synchronised audio
- Support a plethora of screen sizes across a range of devices
- Graceful handling of Safari and Chrome audio playback security
- Generate and download playlists comprised of music and stories offering a guided experience tailored to each participant

Votr

<http://votr.live> is a real time audience participation voting application

- A React SPA leveraging websockets with a Pub/Sub datastore
- Voting campaigns are created which participants can join via code and vote
- Complete with moderation dashboard to approve/reject voting choices

Lecturer - Introduction to Web Design

Algonquin College

Deliver an introduction into web design at local institution teaching students about HTML, CSS and Javascript concepts.

- Deliver live online classes covering a range of web design concepts
- Provide students with additional curricular assistance
- Grade and provide feedback on assignments according to rubric

Gitlab CE Contributor

Former

GitLab is an open source `git` repository manager written in RoR

- Contribute to workflow changes using Coffeescript and HAML

Workers History Museum Webmaster

Former

WordPress webmaster for Ottawa based organisation dedicated to the preservation of workers' history in the capital area.

- Monitor email campaigns and website traffic
- Optimize website keeping load times below thresholds
- Establish automated backup and restore mechanisms