

# KEVIN SAJAN

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**Summary:** Full-Stack Developer and aspiring Data Scientist with hands-on experience in Python, cloud-native development, and data visualization. Skilled in building scalable applications, automating workflows, and transforming complex datasets into actionable insights using tools like Power BI, Azure, and React. Passionate about solving real-world problems at the intersection of AI, software engineering, and data science.

## Technical Skills

- **Languages:** Python, JavaScript, TypeScript, Java, C++, HTML, CSS, SQL, SASS
- **Framework & Libraries:** React, Angular, Vue, Express, Node, jQuery, Bootstrap, Next.js, Axios, MDB
- **Database and ORM:** MongoDB, PostgreSQL, Sequelize, Mongoose, JawsDB, NoSQL, Oracle
- **Cloud & DevOps:** Azure Cloud/ML, AWS, Heroku, Firebase, Vercel, Docker
- **Deployment & Testing Tools:** Jest, Cypress, Puppeteer, Selenium, CI/CD, Git, Azure Kubernetes
- **Data Analytics & Visualization:** Power BI, Tableau, Matplotlib, Pandas, NumPy
- **Other Tools:** Git, Webpack, Babel, Redux, Wordpress, Photoshop, Figma, SAP FI & CO

## Education

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| <b>University of Pittsburgh School of Computing and Information (MDS)</b><br>Master of Data Science; Data Modeling/Warehousing and AI in Data Management | <b>2025-2027</b> |
| <b>University of Toronto School of Continuing Studies</b><br>Coding Boot Camp – Full Stack Web Development certificate                                   | <b>2020-2021</b> |
| <b>University of Toronto (HBS.)</b><br>Bachelor of Science; Specialized in Biological and Environmental Sciences   | <b>2014-2018</b> |

## Certifications

- Udacity - Android Basics Nanodegree by Google – focus on XML, Java
- Coursera - Google IT Support Professional Certificate - WebSockets, Linux, system admin, security
- LinkedIn Learning Microsoft Press (CPE Accredited) - Complete Guide Power BI for Data Analysts

## Work Experience

- **MacLean Engineering** --- Software Developer (Full-time) 2021 July – Current
  - Built 3D point cloud visualization system using Python, Open3D, and matplotlib with automated reporting and statistical analysis
  - Led full-stack development and DevOps deployment using Microsoft Azure
  - Developed Python GUI tools with Tkinter, threading, and i18n support, featuring custom animations and background operations
  - Created dynamic React components for machine data visualization and vehicle management
  - Designed and tested RESTful APIs with Node.js, Express, PostgreSQL, Sequelize, and Axios
  - Applied Git Flow, CI/CD pipelines, secure coding practices, and comprehensive documentation
  - Implemented automated testing with Jest and Cypress; deployed via Azure Kubernetes
  - Leveraged Power BI and analytics tools to extract insights from machine data, optimizing performance
  - Engineered solutions for database optimization, software architecture, and web app security
- **Deloitte** --- Financial Advisory & Tax Technician (Full-time) 2019 February – 2021 July
  - Automated document linking and data entry using Puppeteer, improving efficiency and accuracy
  - Audited invoices and tax returns to identify discrepancies and resolve client-vendor disputes
  - Conducted financial analysis and supported compliance across multiple advisory engagements

## Projects

- Dev-Web | github.com/kevsaj/Dev-Web | dev-web3.herokuapp.com/
  - Aggregates developer-focused news, jobs, and podcasts in a single platform
  - Implemented Selenium-based web scraping to extract real-time news headlines from multiple sources
  - Built with MERN stack, Tailwind CSS, SCSS, and OAuth authentication
  - Implemented Microsoft Clarity to analyze user interactions, leveraging session replays and heatmaps to optimize web app performance and enhance UX based on behavioral insights.