James Bryan Graves

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born: 1978, United States of America

- Executive, manager & team lead @ SMEs & startups
- Budgeting, planning & execution projects >2mil EUR
- Software architecture & engineering

EXPERIENCE

Technology Lead (interim CTO), Senior SDE
Jul. 2023 – Present

Dream Machine Innovations Inc., More to*, moreto.io — *New York, New York, USA, REMOTE*

- Prompt engineering, integration and content creation with Gen AI (OpenAI GPT-4)
- REST API using Python, PostgresSQL
- Apple iOS app in Swift/SwiftUI

Co-founder, CTO, Technology Lead, Senior SDE
Oct. 2020 – March 2023

THE EMBASSIES of Good Living AG, embassies.com — *Zürich, Switzerland, REMOTE*

- Intent based iOS app in Swift with Apple Watch & Homepod/Siri support
- REST API using Typescript, Node.js, GraphQL

Researcher, Senior SDE
Oct. 2015 – Oct. 2020

Hubzero, Purdue University, UCSD, San Diego Supercomputer Center (SDSC), hubzero.org — *San Diego, CA, REMOTE*

- JVM based microservices in Clojure & Java
- Frontend applications in Clojurescript (CLJS), Re-frame, React, D3
- MySQL, RabbitMQ, Apache Solr, Docker
- Published 2 academic papers, multi-conference speaker

Lecturer & Workshop Leader
Dec. 2019 – Jun. 2021

Royal Academy of Art (KABK), kabk.nl — *The Hague, The Netherlands*

- Teaching position & workshop leader for bachelor level design based coding curriculum
- Projects included creating live coding performances, websites, & games
- 2 classes per semester, with >30 students each
- Conducted additional workshops masters level

Founder
Feb. 2011 – Nov. 2019

Hackers & Founders, hackersandfounders.nl — *Amsterdam, The Netherlands*

- Meetup group & community
- >10000 members across The Netherlands
- co-working, leased property, $850m^2$ real estate, ≈ 100 desks

Co-founder
Jul. 2013 – Aug. 2018

Hackers & Designers, hackersanddesigners.nl — *Amsterdam, The Netherlands*

- Non-profit (Stichting)
- Bringing art, design, and technology closer together
- successfully authored grant applications, and funded year over year
- Node.js, Python, Solidity, Ethereum, Linux, Bitcoin, Javascript, RaspberryPi

Technology Lead, Senior SDE
May 2013 – Oct. 2015

Qardio, Inc., qardio.com — *San Francisco, CA & Amsterdam, The Netherlands*

- Apple iOS app in Swift/Objective-C for Bluetooth connected consumer health devices
- REST API, PHP
- AWS, Docker, PostgreSQL, Embedded C
- Wrote approved United States FDA (Food & Drug Administration) application & specifications

Co-founder, CTO, Senior SDE
May 2011 – May. 2013

Ideedock — *Amsterdam, The Netherlands*

- Developed REST API in Javascript/Node.js

- Backbone.js based MVC frontend
- Technologies including AWS, MongoDB

Mobile Lead, Senior SDE   Sep. 2009 – May 2011
Whatser   *Amsterdam, The Netherlands*
- Location (GPS) based social media platform, Augmented Reality (AR)
- Apple iOS/Objective-C, C, C++, REST, APIs, Ruby on Rails

Senior SDE   Jun. 2008 – Jul. 2009
Interactions Incorporated   *Carmel, IN USA*
- Teleconferencing platform
- Java, Java EE, HTTP, APIs, HTML, CSS

Senior SDE   Feb. 2007 – May 2007
Computer Sciences Corporation (Arabia)   *Riyadh, Saudi Arabia*
- Biometrics platform
- Java, Java EE, IBM Websphere, Oracle

Senior Software Consultant   Jun. 2003 – Feb. 2007
Software Architects, Sogeti   *Riyadh, Saudi Arabia*
- Java, Java EE, IBM Websphere, Oracle, DB2

SDE   Oct. 2000 – Feb. 2003
Cantilever Technologies   *Purdue University, West Lafayette, IN USA*
- Java, XML, XLST, PostgreSQL

SDE   May 2000 – Oct. 2000
IBM   *Burlington, VT*
- C++ & Java based test evaluation platform with UI for silicon waffer test results
- IBM Websphere Application Server, DB2

EDUCATION

Purdue University   West Lafayette, IN, USA
Bachelor of Science in Computer Science, BSCS, Music Theory Minor   *Aug. 1996 – May 2000*

PROJECTS

Co-creator, *WINWIN*, winwin.zone   Jul. 2019 – Apr. 2021
- Consensus based debate & threaded community platform
- Python, Web3, Solidity, Ethereum

Co-creator, *Ourspace*, joinourspace.nl   Mar. 2015 – Present
- Algoritmic choreography via chatbot
- Javascript, Node.js, Chatbot, Whatsapp

Co-creator, *Duodisco/Distance Disco*, duodisco.nl, distancedisco.nl   Dec. 2012 – Apr. 2020
- Silent disco w/ gamification
- Apple, iOS, Swift

Co-creator, *HearUsHere*, hearushereapp.com   Dec. 2012 – Sep. 2019
- Algoritmic choreography via chatbot
- Apple, iOS, Objective-C, Swift, Javascript, Node.js

TECHNICAL SKILLS

Languages: Java, Clojure, Python, C/C++, .NET/C#, SQL, GraphQL, JavaScript, Swift, Objective C, . . .
Frameworks: React, Vue, Next/Nuxt, Node.js, Apple Developer, Django, Rails . . .
Developer Tools: Git, Docker, Google Cloud Platform, AWS, VS Code, Visual Studio, IntelliJ, Eclipse, . . .