

Lucas Michael Lopatka

About

I provide discerning international clients with intuitive, engaging, reliable and secure software solutions, solving complex business problems for a wide range of industries.

With over 15 years of professional software development experience, you can count on me to help you bring your concept to life - on time, on budget

Work Experience

Apr 2021 - Feb 2024

Opn Payments (Omise Thailand)

Senior Software Engineer, Technical Lead

- Lead various development teams of 3-8 developers.
- Lead Agile planning activities and backlog management.
- Responsible for mentoring junior and associate engineers.
- Technical lead for Opn / Omise's transition to Single Sign-On.
- Architect and lead development of Single-Sign On libs and services.
- Frontend lead for the development of Virtual Credit Card applications.
- Contributor to the development of Omise's Merchant Dashboard v2.
- Creation of various microservice applications in Node.js and Go.
- Responsible for the design + maintenance of various CI/CD pipelines.
- Maintain technical documentation for various applications.
- Tasks: System Architecture, Development, UI Design, DevOps
- Tech: TypeScript, React, Node.js, Ruby, Go, AWS, Kubernetes

Nov 2019 - Mar 2021

CGI Inc. (Government of British Columbia / Service BC), Victoria, BC, Canada

Senior Software Engineer, Team Lead

- Developed open source applications for Service BC.
- Lead various development teams of 3-5 developers.
- Responsible for mentoring junior and associate engineers.
- Responsible for Agile planning activities and backlog management.
- Lead development of scheduling application for Sheriffs BC.
- Lead development of Name Request engine for BC Registries.
- Lead development of Electronic Forest Management system.
- Tasks: System Architecture, Development, UI Design, DevOps
- Tech: TypeScript, React, Node.js, Python, OpenShift, Kubernetes

Feb 2019 - Apr 2019

BC Developers Exchange / A.O.T Technologies, Victoria, BC, Canada

Application Delivery Lead

- Collaborated with stake-holders / B.A's to design PWA.
- Lead development of UI components and screens.
- Structured development team to deliver using scrum agile.
- Automated load, regression, smoke and integration tests.
- Tasks: System Architecture, Development, UI Design, DevOps
- Tech: ES7, Vue.js, Node.js, Postgres, OpenShift

Feb 2013 - Dec 2014	Alberta Motor Association Insurance Inc., Edmonton, AB, Canada Technical Lead (Jun 2013 - Dec 2014) <ul style="list-style-type: none"> • Replaced legacy “Front-Tier” ERP for insurance claims. • Integrated CGI AutoPlus and Kanetix Rating Engines with AgentView. • Redesigned Web API and WCF domain services. • Prototyped application screens and workflows. • Lead design and development of UI components and screens. • Collaborated with PO / B.A’s to design applications and services. • Tasks: Front-end Architecture, Development, UI Design, DevOps • Tech: JS, Kendo UI, C#, Web API, Entity Framework, SQL Server
	.NET Developer (Feb 2013 - May 2013) <ul style="list-style-type: none"> • Collaborated with product owner / B.A’s to design new applications. • Designed responsive application screens and workflows. • Implemented UI components and application screens. • Designed Web API and WCF domain services. • Tasks: Web Development, UI Design • Tech: Razor, C#, Web Forms, Entity Framework, SQL Server
2006 - 2011	Blue Collar Software Development Ltd. Owner / e-Commerce + CMS Developer <ul style="list-style-type: none"> • Designed responsive website and e-commerce templates. • Designed and developed custom extensions for various platforms. • Won Best Job Board at the Global Recruiter Asia Pacific Awards • Tasks: Website Design, Website Development, Extension Development • Tech: PHP, JavaScript, Magento, WordPress, OpenCart, MySQL

Contract and Freelance Jobs

Jul 2017 - Feb 2019	Carbeeza Inc. / Interdynamix Ltd. Frontend Applications Lead (Contract) <ul style="list-style-type: none"> • Collaborated with stake-holders to design automotive sales platform. • Prototyped application screens and workflows. • Lead planning activities for small team of frontend developers. • Responsible for delivery of consumer portal and dealer applications. • Responsible for creation and testing of various Node.js microservices. • Tasks: System Architecture, Development, UI Design, DevOps • Tech: ES7, React, Java Spring Boot, Postgres, OpenShift
Jul 2015 - July 2017	Caffe Tech Ltd., Edmonton, AB, Canada Solutions Developer (Contract) <ul style="list-style-type: none"> • Designed hybrid point-of-sale app using React and Cordova. • Integrated Star Micronics hardware (Java/iOS) with iOS app. • Created custom integration linking Magento and QuickBooks. • Created custom inventory management and invoicing microapps. • Created payment and shipping/drop-shopping integrations. • Tasks: System Architecture, Development, UI Design, DevOps • Tech: ES6, React, Redux, PHP, Slim, Doctrine, Magento, MySQL

- Aug 2015 - Aug 2016 **VEST Ltd. / Sportech PLC**, Edmonton, AB, Canada
Primary UI Designer and Application Developer (Contract)
- Collaborated with stake-holders to design app.
 - Created hybrid app for Android using Angular.js and Cordova.
 - Created backend services using Slim, Doctrine and MySQL.
 - Created CI/CD pipelines using Docker, AWS, and Azure.
 - Tasks: System Architecture, Development, UI Design, DevOps
 - Tech: ES5, Angular, Kendo UI, PHP, Slim, Doctrine, MySQL
- Feb 2015 - Jul 2015 **Corrpro Canada Inc.**, Edmonton, AB, Canada
Lead Full-Stack Developer (Contract)
- Collaborated with stake-holders to design custom tracking app.
 - Created desktop app using WinForms with SSRS reporting.
 - Structured development teams to deliver using scrum agile.
 - Automated load, regression, smoke and integration tests.
 - Tasks: System Architecture, Development, UI Design, DevOps
 - Tech: C#, WinForms, Entity Framework, SQL Server, SSRS
- Feb 2015 - Jul 2015 **Challenger Fleet Management Ltd.**, Edmonton, AB, Canada
Lead Full-Stack Developer (Contract)
- Collaborated with stake-holders to design custom ERP system.
 - Implemented backend services using Web API and MS SQL.
 - Structured development teams to deliver using scrum agile.
 - Automated load, regression, smoke and integration tests.
 - Tasks: System Architecture, Development, UI Design, DevOps
 - Tech: Angular.js, C#, Web API, Entity Framework, SQL Server
- Apr 2010 - Jun 2014 **RMG Selection**, Beijing City, China
Webmaster (Freelance)
- Designed and developed responsive website template for WordPress.
 - Designed and developed custom Job Board extension for WordPress.
 - Won Best Job Board at the Global Recruiter Asia Pacific Awards
 - Tasks: Website Design, Website Development, Extension Development
 - Tech: jQuery, HTML, CSS, PHP, WordPress, MySQL, Apache
- May 2011 - Oct 2012 **Carsgone.com**, Edmonton, AB, Canada
Primary Application Developer (Contract)
- Collaborated with stake-holders to design web applications.
 - Architect, design and developed web application and API.
 - Implemented multi-threaded solution to parse massive data feeds.
 - Optimized search indexing and caching using Sphinx Search Server.
 - Tasks: System Architecture, Development, UI Design, Deployment
 - Tech: PHP, Kohana / CodeIgniter, MySQL, Sphinx OSS, ImageMagick
- Jun 2011 - Aug 2011 **SpaSation**, Edmonton, AB, Canada
Webmaster (Freelance)
- Designed and developed responsive website template for OpenCart.
 - Designed and developed custom shipping extension for Canada Post.

- Tasks: Website Design, Website Development, Extension Development
 - Tech: jQuery, HTML, CSS, PHP, OpenCart, MySQL, Apache
- Apr 2011 - Jun 2011 **Visma, Oslo, Norway**
WordPress Extension Developer (Freelance)
- Developed WordPress plugins to display and manage products.
 - Tasks: Website Design, Website Development, Extension Development
 - Tech: jQuery, HTML, CSS, PHP, WordPress, MySQL, Apache
- Dec 2010 - Mar 2011 **Infinity IT Success Ltd., Bangkok, Thailand**
Magento Extension Developer (Freelance)
- Developed Magento plugins to display and manage products.
 - Tasks: Website Design, Website Development, Extension Development
 - Tech: Prototype.js, HTML, CSS, PHP, Magento, MySQL, Apache
- Aug 2010 - Oct 2010 **Xtend-Life Natural Products (Intl) Ltd, Bangkok, Thailand**
Web Application Developer (Contract)
- Tasks: Website Design, Website Development, Extension Development
 - Tech: jQuery, HTML, CSS, PHP, OpenCart, MySQL, Apache, ASP.NET MVC, SQL Server
- Sep 2009 - Aug 2010 **Smart Traffic Australia, Bangkok, Thailand**
Web Application Developer (Freelance)
- Designed and developed e-commerce website templates.
 - Designed and developed custom e-commerce extensions.
 - Tasks: Website Design, Website Development, Extension Development
 - Tech: jQuery, HTML, CSS, PHP, OpenCart, Magento, MySQL, Apache
- Sep 2008 - Aug 2009 **Kantana Group Public Company Limited, Bangkok, Thailand**
Web Application Developer (Freelance)
- Designed and developed website templates for Joomla.
 - Tasks: Website Design, Website Development, Extension Development
 - Tech: jQuery, HTML, CSS, PHP, Joomla, MySQL, Apache -

Education

- 2005 - 2008 **Chulalongkorn University, Bangkok, Thailand**
 B.A. Degree in Economics
- 2004 - 2005 **McGill University, Montreal, Canada**
 B.Sc. Biochemistry
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Skills

Preferred Technologies

- TypeScript / JavaScript / ECMA
- React.js / Redux / Flux / Mobx
- Vue.js / Vuex, etc.
- Node / Express / Nest / Koa
- TypeORM / Loopback, etc.
- Webpack / Gulp
- Jest / Cypress
- Cordova / PhoneGap / Ionic
- GoLang / Protobuf
- .NET Web API / WCF
- .NET MVC / Web Forms
- Entity Framework / NHibernate
- NUnit / AutoFixture, etc.
- Slim / FlightPHP / CodeIgniter
- DoctrineORM / RedBean, etc.
- PHPUnit, etc.

Server, Cloud, DevOps

- Kubernetes / Flux / Helm
- OpenShift Container Platform
- AWS Lambda / S3 / EC2
- Docker / Docker Compose
- Azure Pipelines / DevOps
- Buildkite / Jenkins / CircleCI Apache / Nginx / IIS
- VirtualBox / VMWare
- Git / GitHub / GitLab

Component + UI Libraries

- Material UI (React / Vue)
- jQuery / jQuery UI, etc.
- Telerik Kendo UI
- Bootstrap 3 + 4
- DevExpress

Databases

- DynamoDB / Postgres / Mongo MS SQL / SQLite / MySQL

UI + Graphic Design

- Adobe Creative Suite Photoshop / Illustrator, etc.
- Axure / Sketch / InVision, etc.

MY EXPERTISE

Concepts and Skills

- User Interface Design
- Mobile Applications
- Hybrid Apps + PWA's
- Server-Side Rendering
- Static Site Generators
- Micro + n-Tier services
- RESTful Architecture
- Database Development
- Serverless / Edge
- Containerization + Cloud

Industry Experience

- Inventory Management
- Media and Asset Management
- e-Commerce Applications
- Point-of-Sale Integrations
- Accounting Integrations
- Automotive Classifieds
- Automotive Integrations
- FinTech Solutions
- Fuji Electric Vending Machines
- MEI Coin and Bill Acceptors
- Star Micronics Hardware Integrations