

**Michael O. Slinn**  
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Currently principal instructor and architect of [ScalaCourses.com](http://ScalaCourses.com); wrote most of the online software training courses. Course material includes functional programming, object-oriented programming, concurrency, distributed processing, Scala/Java interoperability, and data structure design. Author of the Cadenza software that powers ScalaCourses.com and responsible for operations. Cadenza runs on AWS and is built from Scala, Akka, Play Framework, Slick, Postgres, JavaScript, JQuery, Twitter Bootstrap, and integrates with PayPal, Stripe and MailChimp.

Contributor to Apache Spark open source project; updated the Spark-Twitter-Lang-Classifier reference application from Spark 1.4/Scala 2.10 to Spark 2.0/Scala 2.12 and assisted with updating the other reference applications (Java and Scala).

Contributor to the Red Bull Eventuate open source project (event sourcing, CRDTs).

Designed and implemented an event-driven artificial personality simulator plug-in for artificial intelligence software ("EmpathyWorks"), consuming "fast data". Developed two domain-specific languages (DSLs) to characterize desired system behavior, including a custom parser, code generator and runtime system. Ported original design from Java & C to Scala with Akka HTTP, Akka Streams, Apache Kafka and CRDTs.

Wrote and published 3 books on concurrency and distributed systems, visible at SlinnBooks.com. Published over 50 technical articles in software and engineering magazines and gave many presentations at trade conferences and to user groups.

Retained 14 times as a software expert in US federal courts and once for a case before the International Chamber of Commerce, International Court of Arbitration in Paris. Nine of the cases were patent-related and six cases were contractual disputes. Performed analysis, submitted written opinions and testified under oath.

Performed dozens of technical evaluations for investors and underwriters.

Mentored founders and executives, and worked with all levels of employees of companies that were later sold to IBM, Microsoft, NBC and AltaVista. Former technical policy advisor to British Columbia Premier's task force; formerly a startup advisor in association with Canadian National Research Council and Silicon Valley office of Canadian Consulate; numerous open source and educational policy leadership roles.

Founded several companies; activities included writing business plans; soliciting advisory boards; performing market research; writing product specifications; writing software; managing development process and other developers; supporting sales and filing patents.

Bachelor of Electrical Engineering from Carleton University, Ottawa. Canada. Accredited by the Association of Professional Engineers and Geologists of British Columbia as a Professional Engineer; did not maintain status after immigrating to USA. Have green card.

For more detail please see [micronauticsresearch.com](http://micronauticsresearch.com).